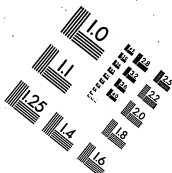
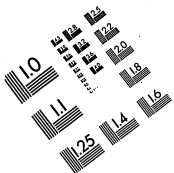




Association for
Information and Image
Management

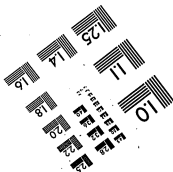
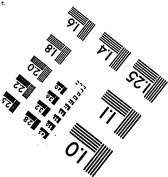
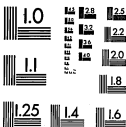
MS303-1980



Centimeter



Inches



Thomas A Edison Papers

A SELECTIVE MICROFILM EDITION

PART II
(1879-1886)

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University Publications of America
Frederick, Maryland
1987

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Thomas A. Edison Papers
at
Rutgers, The State University
endorsed by
National Historical Publications and Records Commission
18 June 1981

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THOMAS A. EDISON PAPERS
A SELECTIVE MICROFILM EDITION
PART II
(1879-1886)

REEL 60

DOCUMENT FILE SERIES (DOC-20)

D-82-001 through D-82-023
("Bergmann & Company" through "Electric Light -
Edison Electric Illuminating Company of New York")

1882 DOCUMENT FILE

D-82-001 Bergmann & Company
D-82-002 Deafness
D-82-003 Drexel, Morgan & Company [not filmed]
D-82-004 Edison, T.A. - General
D-82-005 Edison, T.A. - Accounts [not filmed]
D-82-006 Edison, T.A. - Advice
D-82-007 Edison, T.A. - Articles
D-82-008 Edison, T.A. - Autograph and Photograph Requests [not filmed]
D-82-009 Edison, T.A. - Bills and Receipts [not filmed]
D-82-010 Edison, T.A. - Bills of Lading [not filmed]
D-82-011 Edison, T.A. - Book and Journal Orders
D-82-012 Edison, T.A. - Clubs and Societies
D-82-013 Edison, T.A. - Employment
D-82-014 Edison, T.A. - Family
D-82-015 Edison, T.A. - Honors and Awards
D-82-016 Edison, T.A. - Insurance
D-82-017 Edison, T.A. - Payroll Receipts [not filmed]
D-82-018 Edison, T.A. - Unsolicited Inquiries [not filmed]
D-82-019 Edison, T.A. - Visitors [not filmed]
D-82-020 Electric Light - General
D-82-021 Electric Light - Edison Company for Isolated Lighting - General
D-82-022 Electric Light - Edison Company for Isolated Lighting - Defect Reports
D-82-023 Electric Light - Edison Electric Illuminating Company of New York
D-82-024 Electric Light - Edison Electric Light Company - General
D-82-025 Electric Light - Edison Electric Light Company - Accounts [not filmed]
D-82-026 Electric Light - Edison Electric Light Company - Eaton, S.B. - Reports

D-82-027 Electric Light - Edison Electric Light Company - Engineering Department
D-82-028 Electric Light - Edison Electric Light Company of Europe, Ltd. - General
D-82-029 Electric Light - Edison Electric Light Company of Europe, Ltd. -
Accounts [not filmed]
D-82-030 Electric Light - Edison Lamp Company - General
D-82-031 Electric Light - Edison Lamp Company - Accounts
D-82-032 Electric Light - Edison Lamp Company - Lamp Test Reports
D-82-033 Electric Light - Edison Machine Works - General
D-82-034 Electric Light - Edison Machine Works - Accounts
D-82-035 Electric Light - Edison Machine Works - Testing Department
D-82-036 Electric Light - Electric Tube Company
D-82-037 Electric Light - Foreign - General
D-82-038 Electric Light - Foreign - Europe
D-82-039 Electric Light - Foreign - United Kingdom - General
D-82-040 Electric Light - Foreign - United Kingdom - Edison's Indian &
Colonial Electric Light Company, Ltd.
D-82-041 Electric Light - Western Edison Light Company
D-82-042 Exhibitions
D-82-043 Insull, Samuel
D-82-044 Menlo Park Laboratory
D-82-045 Mining - General
D-82-046 Mining - Edison Ore Milling Company, Ltd. - General
D-82-047 Mining - Edison Ore Milling Company, Ltd. - Accounts
D-82-048 Patents
D-82-049 Railroad - Electric
D-82-050 [Number not used]
D-82-051 Science

D-82-052 Telegraph
D-82-053 Telephone - General
D-82-054 Telephone - Foreign - Chile
D-82-055 Telephone - Foreign - Europe
D-82-056 Telephone - Foreign - United Kingdom

1882. Bergmann & Company (D-82-001)

This folder contains correspondence, agreements, and other documents relating to the business of Bergmann & Company, New York City. The company produced electric lighting fixtures, sockets, and other devices used with the Edison system of electric lighting.

Approximately 50 percent of the documents have been filmed. The following categories of documents have not been filmed: routine correspondence regarding shipments and orders; routine correspondence concerning accounts; receipts.

Mentlo Park
BERGMANN & CO., *Clay 24*
106-114 WOODSIDE STREET,
BY APPOINTMENT TO
MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York, *Jan'y 24*, 1882
S. Inall Esq
Dear Sir

I believe there
is a lot of fancy brass tubing
at Mentlo Park which Mr
Johnson bought - I could use
some of it, and if you will please
have Mr Logan find down
particulars of what there is,
I will arrange to take it -

Yours truly,
Bergmann & Co.
K.

ack Logan for list of above
kind of metal is a small motor
disc at W.P. was used for
sewing machines
also instruct him to make
a lamp with Carbon resistors
in for regulable and of light
series came for 1.5, 2.0, 2.5 lamp etc

BERGMANN & CO.,
106-114 WOODSIDE STREET,
BY APPOINTMENT TO
MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York, *Friday 10*, 1882
Prof. F. A. Edison -
Mentlo Park N.J.
Dear Sir

Will you please
let me have the motor
you used in Mentlo Park
for running sewing machines,
as I wish to make some
experiments to see if I can't
make the motor for Jett
might work better, as it
is not satisfactory now
Your kind attention will
greatly oblige
Yours truly
S. Bergmann & Co.

English Light
BERGMANN & CO.,
108-114 WOODSTER STREET.

July 20. 82

W. J. H. M.
BY APPOINTMENT *Bergmann in*
MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY *Patent*

New York, N.Y., July 20. 1882

My Dear Edison

As I understand you found fault with the price we have charged for the meters purchased at Francis J. H. C. for London, I would like to explain that we had to alter the patterns entirely; to make metal ones instead of the wooden one and to change the work entirely upon it was completed - the work in the patterns cost me 1/3 of the entire job and we have made the charge as reasonable as possible.

Very Respectfully,
D. Bergmann

Foreign Orders
BERGMANN & CO.,
108-114 WOODSTER STREET.

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York, N.Y., July 6. 1882

W. J. H. M.
My Dear Sir

I think it is a mistake not to order the shades & holders with the fixtures ordered for Hamburg & Altona & all fixtures generally on foreign orders. The fixtures are not complete without them & it will be very difficult or impossible for them to obtain them here. It will not add much to the cost and the fixtures ought to have them.

Yours very truly
D. Bergmann

BERGMANN & CO.,

108-114 WOODSTOCK STREET,
NEW YORK

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York, May 9th 1882
D. A. Edison Esq,
65 Fifth Ave -
Dear Sir

We have considered our
proposal & prices for meters
which you desire us to furnish
and will furnish them in
lots of 100 or more at 10% less
than the prices we gave you
in our letter of 4th inst that
is, for small size \$9.⁰⁰ & for
large size \$13.⁵⁰ This is the
best we can do on the first lot -
We can probably do better after
that -

Yours truly,
Bergmann & Co

BERGMANN & CO.,

108-114 WOODSTOCK STREET,
NEW YORK

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York, May 13th 1882
D. A. Edison Esq,
65 Fifth Ave
Dear Sir:

We need you by Express to-day
the alleged "Newton" Machine, we have
tried it, but could get no results from
it, Will you kindly let us
know against whom to make out the bill
& oblige

Yours
Bergmann & Co

BERGMANN & CO.,

108-114 HOUSTON STREET.

(BY APPOINTMENT.)

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

77 6 24
New York, May 18th 1882

Mr. Samuel S. Smith -
of North Creek, N. Y.

Dear Sir
Will you kindly send me
a set of Photos of the Electric Railway
also of the large dynamo and any
others you may have. I will make
good use of them as I would like to
exhibit them at our store, which we
expect to have in running order soon.

Very truly yours,
Chas. J. Klein.

BERGMANN & CO.,

109-111 FROEDER STREET.

(APPOINTMENT)

MANUFACTURERS OF EDISON'S INVENTIONS,

EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

*Accd
21st mail
3/11*

New York, May 25th 1882

*Wm. Daniel
Rento Park N.Y.*

Ivan Shi We send you by to-day's
mail our interpretation of foreign
orders to us, with prices opposite each
item. Trusting this will
be found satisfactory to you.

*We are Dear Sir
Very Respectfully
Bergmann & Co.*

*P.S.
Catalogue & Photos by same
mail.*

Foreign Order 1241-

No.							
5	2	1 1/4	Chant	P. B.		2 50	14 5
"	1	1 1/4	"	"	G. B.		5
15	2	2 1/4	"	"	"	9	3
"	1	2 1/4	"	"	"		18
16	2	2 1/4	"	"	"	9	10.25
"	1	2 1/4	"	"	"		18
20	2	3 1/4	"	"	"	10 25	10.25
"	1	3 1/4	"	"	"		20.50
25	2	3 1/4	"	"	"	13 75	11.25
"	1	3 1/4	"	"	"		27.50
25	2	4 1/4	"	"	"	16 25	15.25
"	1	4 1/4	"	"	"		32.50
23	2	3 1/4	"	"	"	26	18.75
"	1	3 1/4	"	"	"		52
24	2	3 1/4	"	"	"	15	30
"	1	3 1/4	"	"	"		17.50
26	2	3 1/4	"	"	"	26 50	53
"	1	3 1/4	"	"	"		30
27	2	4 1/4	"	"	"	32 00	64
"	1	4 1/4	"	"	"		37
28	2	4 1/4	"	"	"	40	80
"	1	4 1/4	"	"	"		45
29	2	3 1/4	"	"	"	32	64
"	1	3 1/4	"	"	"		36
31	2	4 1/4	"	"	"	52 50	105
"	1	4 1/4	"	"	"		60
500	2	6 1/4	"	"	"	52 50	108
"	1	6 1/4	"	"	"		58
505	2	4 1/4	"	"	"	50	100
"	1	4 1/4	"	"	"		57.50
600	3	5 1/4	Slide	"	"	55	165
150	85	No Key	ockets	"	"	from 1.20	102
"	28	No Key	"	"	"	60	16.80
"	35	No Key	"	"	"	126	44.10
"	14	No Key	"	"	"	66	9.24
200	106	Holder	"	"	"	33	34.98
"	47	"	"	"	"	36	16.92
123	6	"	"	"	"	34	13.6
"	2	"	"	"	"	38	7.6
195	162	Pore	Shades	"	"	40	64.80

149
1670.21

		Forward		
70				1670.21
65	3	Locomotor Headlight		4.50
"	3	Staff Rkts. for same Egd		1.10
64	2	" " " " RR		3.25
"	1	" " " " RR		3.75
63	2	Drax " " " "		2.10
"	1	" " " " " "		
66	2	Staff " " " "		3.50
"	1	" " " " " "		
72	3	Drax Keysockets		3.00
355	2	2 L. Brackets " "		6.00
"	1	" " " " " "		
360	2	" " " " " "		9.50
"	1	" " " " " "		
365	2	" " " " " "		12.50
"	1	" " " " " "		
76	2	Key " " " "		8.00
"	1	3 S " " " "		
150	21	Key Sockets " " for atm.		1.20
"	2	W Key " " " "		6.00
"	9	Key " " " " "		12.60
"	11	" " " " " " "		26
200	23	Holden " " " " "		37
"	10	" " " " " " "		36
195	33	Fore Shades " " " "		40
1000	3	Combination Rkts " " "		6.00
1050	3	" " " " " " "		5.00
150	6	Key Sockets for same " " "		1.20
200	6	Holden " " " " "		33
195	6	Fore Shades " " " " "		40
120	2	Port. Lamps RR incl head		6.25
"	1	" " " " g.R. " "		2.50
124	2	" " " " " " "		3.50
"	1	" " " " " " "		
New	2	Sliding Student Lamp RR incl head		8.00
"	1	" " " " " " "		8.75
128	6	Clamp Holden " " " "		34
200	3	Holden " " " " "		33
122	12	Receipts " " " " "		2.4
121	12	Plugs for attaching " " " "		30
	150	ft. Obbl. Conducting Cord " " "		14
	9	Fore Shades for same 150 extra dets		40
				23.60
				2058.37
				514.50
				1543.78
				25%

Working + Shipping Extra

2058.37

481

26

RECEIVED
MAY 31 1882
BERGMANN & CO.,
108-114 WOOLBACH STREET,
(BY APPOINTMENT)
MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

FILE No. 446

New York, May 29th 1882

Mr. Paul Danville
St. Paul, Dak. U.S.

Dear Sir
We are much flushed for
money, will you please send me
a check as soon as possible,

robgj
Very truly
Yours
S. Bergmann & Co.

116
BERGMANN & CO.,
108-114 WOOLBACH STREET,
(BY APPOINTMENT)
MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York, June 16, 1882

Mr. Danville

Dear Sir

I enclose you
Statement for \$1232.05 - for goods
shipped on Foreign orders as per
bill rendered - I would esteem it
a very great favor if you could
have check mailed to us for same
by return mail - & if possible also
for trust of regular a/c - I need
it or I would not press it -

Yours Truly
S. Bergmann
K.

Recd
29th June 1882

BERGMANN & CO.,

47

108-114 HOOPER STREET,
(BY APPOINTMENT)

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York, June 22 1882

Mr D. A. Edison
Menlo Park - N.J.
Dear Sir

Enclosed please
find check for \$200.00 as re-
quested - I was not able to
send it sooner -

Can't you manage
to send me check for the
\$5 origin bills, by return mail
& oblige

Yours truly,
Bergmann & Co.
N.J.

P.S. Just received telegram from Mr Edison
Your fixtures are being hurried as much as
possible - We send a large shipment on
the London order by Saturday steamer
& will make another next Wednesday to

BERGMANN & CO.,

108-114 HOOPER STREET,
(BY APPOINTMENT)

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York, June 27 1882

Mr D. A. Edison
Menlo Park. N.J.
Dear Sir

We have had trouble right
along with our power & now it
has broken down - There will have
to be a new crane put in &
the whole engine will have to be re-
built up - But I will have your
moulds finished by hiring a shop
in Centre Street from a friend of
mine. It will take a day or two
longer but it is the best I can do
under the circumstances - We
will have no power until July
5th

Yours truly,
Bergmann & Coffin

BERGMANN & CO.,

106-114 FOSTER STREET,

(BY APPOINTMENT)

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York, July 20 1882

D. A. Edison Esq
Crescent Park N.Y.
Dear Sir

Telegram received & as requested
inclosed please find Statement of
Foreign Orders &c, also regular statement
We are very much cramped for
money on acc. of the purchase of
our new building & would therefore
esteem it a great favor to receive
your check for as much as pos-
sible on acc.

Very truly
Yours
Bergmann & Co.
Allen

BERGMANN & CO.,

106-114 FOSTER STREET,

(BY APPOINTMENT)

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York, July 28 1882

Mr D. A. Edison
Crescent Park N.Y.
Dear Sir

In reply to yours of 27th
inst asking for estimate on
Regulating Resistance Boxes for
Obtain time, please let us know
to how low candle power you
want to tone down the various
numbers of lights given - We
will send estimate as soon as
possible on receipt of your reply
Very truly yours
Bergmann & Co.
Allen

We want to bring this
fax 20 candles
down to invisible
or just barely red

BERGMANN & CO.,

108-114 HOOPER STREET,

(BY APPOINTMENT)

MANUFACTURERS OF EDISON'S INVENTIONS,

EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

Answer

New York, July 29 - 1882

Mr. J. Inoull
100 West 4th St -
Dear Sir

Enclosed bill of additional fixtures which we had ready for shipment but were not called for as already written you - We are so short of money that we must ask as a special favor that you do not deduct the 5% from the London Bill but allow us to credit the amount to J. A. Edison Regular etc - until we can make some collection. The light Co. has not paid for several weeks & put us off till after Mr. Gooden gets back: & so we must depend entirely on the money from the London Order for a time.

Yours truly
Bergmann & Co.
J. K. Allen

BERGMANN & CO.,

108-114 HOOPER STREET,

(BY APPOINTMENT)

MANUFACTURERS OF EDISON'S INVENTIONS,

EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

37

New York, Aug 18 - 1882

Prof. J. A. Edison
Menlo Park - N.J.
Dear Sir

I have made arrangements to take account of Stock on Sunday September 2nd, the most convenient date - If it is your desire to have anyone present with me to go over the work, please make your arrangements accordingly - All the accounts will be written up to that date & the books prepared on Sept 3rd when your connection with this firm will begin. Trusting you will find this satisfactory, I remain

Yours Very Respectfully
J. K. Allen
Book-keeper

Mr. Inoull will see you when he is next in the City with reference to the Berlin Street - 404

BERGMANN & CO.

—4 108-112 WOODHUR ST. N.Y.—
(BY APPOINTMENT.)

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York, Aug 23 1882

Mr. S. Inull
Mento Park N.J.

Dear Sir

In reply to yours of 22^d inst inclos-
ing letter of complaint from Mr. Batchelor,
if you will remember, when the order was
received, it being indefinite in wording,
we made a list of what fixtures we
proposed to send which was shown to you.
In the absence of any data as to what
fixtures they already had on hand
no doubt included some old fixtures.
They were only one of each kind however.
There may several shipments of the styles
desired by Mr. Batchelor have probably
reached them by this time. If it will
affect any compromise, we are willing
to make him whatever allowance he
may consider reasonable to keep such
fixtures as are the same style as he
had received before.

Very Respy Yours -
Bergmann & Co.
Hlin

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been accepted by the sender of the following message. It does not be general agent only by sending a message back to the sending station for correction, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message. This an UNREPEATED MESSAGE is delivered by request of the sender, under the conditions stated above.

THOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
1	you	E	13 Paid

Received at New York Depot Aug 25 ¹⁸⁸² ₁₈₈₂ 5:00 pm

Dated New York 25

To A. Insull

N.Y.

Will you be here next
Sunday as well as Sunday
Sept third answer
Bergmann & Co

BERGMANN & CO.

— 104-112 WOODBURY SQUARE, N.Y. —

(BY APPOINTMENT.)

MANUFACTURERS OF EDISON'S INVENTIONS,

EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York, Aug 31. 1881

Prof T. A. Edison
65 Fifth Ave - N.Y.

Dear Sir

In reply to your request for estimates on Electric Meters, we have found that we can make & furnish the first thousand at \$7.50 each. A second lot will probably cost from 10 to 20 % less.

Respy, Yours,
Bergmann & Co -
BHC-

T
BERGMANN & CO.

1882-09-02

— 100-112 WOODHURST STREET, —
(BY APPOINTMENT.)

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York,

1882
~~1882~~ ¹⁸⁸² ~~Monday~~ ^{Thursday} ~~the 29th~~ ^{the 26th} day of ~~September~~ ^{September} 1882

Co-Partnership Agreement made the ~~29th~~ ^{26th} day of ~~September~~ ^{September} 1882 by and between ~~Samuel Bergmann~~ ^{Samuel Bergmann} of the first part and ~~Edward H. Johnson~~ ^{Edward H. Johnson} of the second part ~~of the city of New York.~~ ^{of the city of New York.}

First: The co-partnership shall begin on Monday, the ~~29th~~ ^{26th} day of ~~September~~ ^{September} 1882 and shall be terminated only by the death of one of the partners; but the partnership may be terminated by either partner upon giving six months written notice to the other partner. The style of the firm shall be "Bergmann & Co" and their principal place of business shall be ~~292 to 294 Woodhurst Street, New York City~~ ^{292 to 294 Woodhurst Street, New York City}.

Second: Bergmann ~~contributes~~ ^{contributes} to the co-partnership ~~the~~ ^{the} ~~existing~~ ^{existing} business at the said Street and number, together with the good will thereof, and all the stock, machinery and property of every description which shall be on hand at the said store, or belonging to him in connection with the said business on the said ~~29th~~ ^{26th} day of ~~September~~ ^{September} 1882. An inventory of the same shall be prepared and attached to this agreement as an exhibit.

~~Johnson~~ ^{Johnson} shall contribute to the firm the sum of ~~ten thousand dollars~~ ^{ten thousand dollars} in cash, the ~~sum of~~ ^{sum of} ~~eight thousand two hundred~~ ^{eight thousand two hundred} ~~fourty~~ ^{fourty} ~~dollars~~ ^{dollars}
y four thousand

and the receipt of ^{Twenty five thousand} dollars in ^{BERGMANN & CO.} ^(INCORPORATED UNDER THE LAWS OF THE STATE OF NEW YORK) ^(BY APPOINTMENT.) ^{MANUFACTURERS OF EDISON'S INVENTIONS,} ^{EDISON'S ELECTRIC LIGHT APPLIANCES & SPECIALTY} ^{New York,} ^{known} ^{by} the said Johnson & Bergmann

said contribution to the new firm being the price which he pays for buying a one ^{third} interest in the aforesaid business beginning on said ^{second} day of ^{September} as aforesaid. ~~This amount shall be paid by Johnson as follows, to wit: one half that is to say, five thousand dollars on the execution of this instrument, and the other half, to wit: five thousand dollars within sixty days from the date hereof.~~

Third: Bergmann shall pay all the existing indebtedness of ~~the~~ ^{his} business up to the said ^{second} day of ^{September}, and shall be entitled to all outstanding accounts to said date.

~~He~~ shall also liquidate ~~the~~ ^{his} business that is thus brought to a termination on the morning of ^{the} ~~the~~ ^{second} day of ^{September} in ~~his~~ ^{his} own name and on ~~his~~ ^{his} own account. But all liabilities assumed by the firm after the commencement of this partnership shall be borne by the firm, and all profits shall be divided as herein provided for.

Fourth: Bergmann shall devote his entire time and services to the business of the partnership and shall not enter into any other business or devote any of his time to any other business

THE
BERGMANN & CO.

108-112 BROOKLYN STREET,
(BY APPOINTMENT.)

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York,

188

without the consent of Johnson & Edison

It is further agreed that Johnson shall devote only so much of his time and attention to the business as he may be able to spare from ~~their~~ other business. It is further agreed that Johnson shall not sign checks or that Bergmann shall have exclusive charge of the details of the partnership. Johnson makes any improvement or invention during the continuance of the co-partnership a patent on the same shall be taken out in the name of the firm and shall belong to the firm, provided ~~both~~ partners consent thereto and in such case the expense shall be borne by the firm. But if ~~both~~ partners do not consent the party making such invention or improvement shall have the right, after submitting the same to the remaining partners to take out the patent in his own name and at his own expense, without however charging any of the expense connected therewith against the firm. But should any improvements, inventions or patents of same being the property of third parties be offered to ~~either~~ ^{parties} or either of them ^{of them}, the same rule shall apply to wit, neither ~~partner~~ ^{Bergmann nor Johnson} shall have any interest therein without first offering it to the firm.

IV
BERGMANN & CO.

— 108-112 WOODBURN STREET, 2 —
(BY APPOINTMENT.)

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York,

188

Fifth; It is agreed that on the following ~~dates, to wit:~~ ~~the first day of September,~~ ~~July, and October~~ of each year during the continuance of this co-partnership, an itemized account of stock shall be taken and the books shall be balanced and the profits and losses for the preceding ~~year~~ ^{year} made up and proportioned, and a copy of the same shall be furnished to Johnson ^{Carson}

It is further agreed that the books of account and all correspondence papers and documents of all kinds, shall at all times be open to the inspection of Johnson, ^{Carson} or of ~~their~~ ^{his} authorized agents

Sixth: The profits and losses of the business shall be divided as follows:

- 1st. Bergmann shall be allowed ^a ~~an~~ ~~weekly~~ ~~salary~~ of ~~twenty~~ ~~dollars~~ ~~and~~ ~~dollars~~ ~~per~~ ~~annum~~, the same to be charged against the firm, and to be paid by the firm to him without reference as to whether any profits are made in the business or not.
- 2nd. After paying all the expenses of the business, and after allowing Bergmann his salary at the rate of

BERGMANN & CO.

— 108-112 WOODBORO STREET, —
(BY APPOINTMENT.)

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

\$50 dollars ^{New York} ~~per week~~

1888

~~\$1,200 per year~~ as aforesaid, the profits and losses of the business shall be divided equally between Bergmann and Johnson ^{Edison} ~~state~~ and share alike.

~~3rd. Should Johnson leave the country, to be absent, and should he remain absent for a period exceeding three months consecutively, Bergmann shall be entitled to charge against the company a salary at the rate of \$2,400 per annum, instead of a salary of \$1,200 as above provided for the said salary to be charged against the company the company for the entire time of Johnson's absence as aforesaid.~~

Seventh: Should any controversy arise regarding the interpretation, meaning or intention of any part of this agreement it is agreed that the same shall be determined by an arbiter to be jointly agreed upon by Johnson and Bergmann, ^{Edison} and in the event of their failing to agree upon such an arbiter, it is agreed that Johnson + Bergmann, ^{Edison} may each name one arbiter and that ~~the three named shall~~ ^{two of them} select ~~a~~ and that the decision of a majority of the said ~~three~~ arbiters, or in the

~~VI~~
BERGMANN & CO.

— 100-112 MOORE STREET, —
(BY APPOINTMENT.)

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York,

188

event of their agreeing upon a single arbitrator, the decision of the said one arbitrator shall be final and binding upon ~~both~~ Bergmann and Johnson & Edison

In Witness Whereof, the parties hereto have at the city of New York at the date above named, hereunto set their hands and seals

Witness as (signed) ~~John F. DeLamick~~

(signed) ~~John F. DeLamick~~

as to (signed) ~~John F. DeLamick~~

(signed) ~~John F. DeLamick~~




BERGMANN & CO.

100-112 MOORE STREET.

(BY APPOINTMENT.)

MANUFACTURERS OF EDISON'S INVENTIONS,

EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York Sep 22 1882

Mr. S. Ince
Meadow Park N.J.

Dear Sir

We have your order & we
I have entered same. It will be im-
possible however to give you an
approximate estimate of the cost
of some of the items. We have not
yet completed any 50 lb meters & have
no exact price on them as yet. ⁴⁴
25 lb meters will be 8.75 net - each -
Indicators - 48⁵⁰ ea. net -
Regulators - Current Breakers & Fuses Regulators
are continually undergoing so many changes
that we cannot put any definite price
on them yet.
Main House Cut out Boxes 4⁵⁰ ea.
Double Ceiling Cut outs 30¢ net -
" Wall " 35¢ "
Caps for " " are not yet designed.
Plugs .07 less 25% -
Switches Catalogue prices less 25% -
Lead Wire 45¢ per lb - net -
Testing sockets - 16¢ net -
Wall Cut out # 184 - 32¢ less 25%

BERGMANN & CO. 2

— 108-112 WOODBURN STREET, —
(BY APPOINTMENT.)

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York, 188

30 Lt Plugs .02 less 25% -
Small Plug switches 35 @ 20 net -
#150 Socket with Conn. C.B. 1.06 less 25% -
" " 20 " " 1.33 " "

We can perhaps give you exact figures
shortly before the order is completed -

Yours truly
Bergmann & Co.
J.W.K.

BERGMANN & CO.

— 108-110 WOODFORD STREET, —
(BY APPOINTMENT.)

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York, 188

97000	Real Estate	78000
400	" "	6500
		<u>2000</u>
	Mortgage	87500
		40000
		<u>47500</u>

Furniture 5000	Plant	55000
Machinery 15000	Finished & Unfinished	53000
	Stock	
		<u>155500</u>

8000

20000

28000

Average Monthly

Prinl & Pay roll } 20000

34

Nov 14 82

Bugmann's
Investment

BERGMANN & CO.

100-112 WOODBURN STREET.
(BY APPOINTMENT.)

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

REMOVED TO
COR. 17th ST. & AVE. B.

New York Dec 14th 1882

My Mr Edison

You will remember that we
(you may enter myself) that Mr
Morgan was to be accorded his
own mode of settlement of his
acc. & that, that was on the basis
of an estimate to be now made
of the actual cost plus 10% of
putting in the precise plant
wiring etc now in use.

Note Mr Moore's reply to my request
to have such estimate made and
pay if you think I can fairly
go to Mr Morgan and insist on
the payment of this bill bearing
in mind that I have informed
him that you & the Presk have
agreed to his proposition to pay
on the basis of a new estimate.

Mr Moore does not meet us in
this matter and I think is doing
us harm thereby - A liberal policy
in the matter is in my judgment the
wise & prudent one

Yr Edison Servt

Yours truly
Ch. Johnson

REMOVED TO
COR. 17th ST. & AVE. B.

BERGMANN & CO. 34

108-214 WOOD ST. PHILADELPHIA, PA.

BY APPOINTMENT

MANUFACTURERS OF EDISON'S INVENTIONS,

EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York, Dec 18 1882
Wm. H. Edson Esq.
65 Fifth Ave -
City

Dear Sir
We have figured
the cost of Steam, heat &
power, oil etc and proportional
cost of rent on total invoice
ment for the 6th floor of
our building and find same
to be \$2460⁰⁰. We think
therefor that \$2500⁰⁰ per
annum will be fair but
for sake & trust that charge
will meet with your approval
An early reply will greatly
oblige
Yours truly
Bergmann & Co
K-

1882. Deafness (D-82-002)

Following the appearance in early 1878 of articles about the phonograph, which drew attention to his own deafness, Edison began receiving inquiries about his proposed invention of a hearing aid. (See Thomas A. Edison Papers Microfilm Edition, Part I, 15:3-166.) This folder contains correspondence inquiring about the current state of the invention.

Approximately 20 percent of the documents have been filmed. These items received significant replies or were written by individuals associated with Edison.

Audubon
Jan 31, 92
Nichols

New Richmond Ohio

1st 30th 1-92

Thos A Edison
Wentz Park

19

Dear Sir,

Have been working for some
time on an Ear Drum. find
some deficiency. I write you for
some light on the subject. Please
pardon me being a stranger if any
harm is done for asking so much.
But nevertheless look over it and
let me hear from you - Regain
feel with the ear. Don't let
proof. Let me hear from if not back
to much. Give either Stamp for
reply - Resp^d

E L Nichols D.D.

Referring to
yours of 30th
last you ask
information on a subject
upon a subject that I have
not studied there you are
unable to give you any
advice of value.

Wm. J. ...

~~Microphone~~
6 Richmond Terrace, London, W.

RECEIVED
APR 15 1882
W. H. & Co. 20, Broad St. London, W.

ANSWERED
3 April 1882
188

Dear Sir

In the year 79 somewhere
about the middle of July -
I wrote to you in respect to
an instrument of yours, I had
heard of, for the development &
magnifying of sounds. It
went by the name of "The
Microphone" (in London) -
I received a reply from you
saying you had not sufficiently
perfected it to place it on
the market, the main difficulty
being its size - & that you

were endeavoring to make it
portable - I think I fully
explained to you the application
under which I am suffering -
I must plead that as an
excuse for thus venturing to
trespass on your valuable time,
to again ask of you if you
can assist me, with any one
of your valuable inventions -
You mention it as the
"Megaphone" in your letter -
But it is the Microphone of
which I have heard such extra-
ordinary accounts, all the world
having seen it - could it not
be made useful in my case
by merely being placed on

on the table? So as to assist
me to hear a conversation
being carried on - I should
be very very grateful. To you
if you could assist me
and would allow me to purchase
one from you. I would on
receipt of a line from you
(if you think it would be of
service) forward the cash
for it either to you direct - or
take it to your acting agents
in London -
perhaps if you time is not
too much occupied at the present you
will favor me with an answer

which would be graciously
appreciated by yours faithfully
George Hood

To J. A. Edison Esq.

P.S.
I thank you very much for
your reply to my last
having date 29 July 1879
//

Have done nothing further
with instruments of you
refer to since I have to
you last my time
have been occupied by
electrical light experiments

RECEIVED
APR 19 1882
ANSWERED

April 12th
1882

116 W. Adams St.
New York

For four years I have
been hard at hearing. I
have never heard a person
during that time sit next to
my ears. I want to an Aurist
on looking into my ears
he said he thought he
could cure me. I paid him
ten dollars for trying a time
I could ill afford being
a working man. he did
my hearing no good though
I went to him every week
for several months. he did
nothing but skringe my ears.
several years since I saw
from the papers that you

were hard at hearing would
you please tell me if you
use any instrument if you
do what kind

The aurist said my
deafness was caused through
distending of the drum
head. I am passionately
fond of music when I go to
a concert I cannot bear when
they are playing Beethoven
a wood cut from "world
renowned genius as you
I think would do you good
I am Sir

Yours Respectfully

R. Kenworthy

232 Division St
Chicago

Don't use any instrument whatever

Telephone 12 Den.
Moyrowitz Brothers
Opticians, & Co. Dealers in
Surgical Instruments
and Electric Batteries.
295 & 297 South Ave. pr. 23rd St.
New York Aug 31. 1882

Mr. T. A. Edison
Meulo Park. N. Y.

Dear Sir,

Several weeks since I sent
you one of the smallest sized of
Prof. North's Earphones

I take the liberty of writing to
ask if it works satisfactorily, and if so
as I am about to have a new Circular
printed, to ask if you would write me
a few lines to publish in it, as to its merits
as an aid to hearing. If you are willing
to do this, it will be a great help to me
in getting the attention of deaf people
to examine its merits.

Very Respectfully
D. A. Coe agt

10
Morse

To use **Extremity** (Cubitus) - Place the heels of the fingers of the instrument, then place the fingers of the other hand on the shoulders, hold the instrument across the mouth of the telephone, holding it just below the lower lip, or place it on a table when reading to the deaf.

To use rare **Scissors on Sound** (Hearing) - Remove the ring and try it without them, then add first one, and then another. Try them separately, then you can tell which hand best. For long illnesses, where the voice is heard but no words, try the different reflexes until the speaker's words are distinct.

DAVID W. COB, Gen'l Agent
For State of Connecticut, Cities of New York and Brooklyn, Albany and Troy; also Long Island (incl. Westchester, Putnam, Dutchess, Columbia, Rensselaer and Washington Counties) in State of N. Y. Address P. O. Box 1007, New York, N. Y.

WEST WINSTED, CT.
at which place Mr. Cob, at the present, can be consulted on all matters of deafness.

... have been afflicted with deafness for many years, and for several years it has required much effort on the part of my friends to converse with me, and for some have been using a telephone purchased by me, and I find it a great improvement. I give my grateful thanks to the inventor of the method of my friends, and I feel that I am now able to communicate with the deafness to give it a trial.

... I have been afflicted with deafness for many years, and for several years it has required much effort on the part of my friends to converse with me, and for some have been using a telephone purchased by me, and I find it a great improvement. I give my grateful thanks to the inventor of the method of my friends, and I feel that I am now able to communicate with the deafness to give it a trial.

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FOR THE DEAF
EARPHONE
L. W. COB, Gen'l Agent
New York, N. Y.



587-2095
Prof. North's Earphone.

A WONDERFUL DEVICE FOR THE RELIEF OF THE DEAF.

Patented U. S. May 4, 1880; and in Canada March 11, 1881.

THE EARPHONE enables the deaf to hear sounds and conversations otherwise beyond their range, bringing into use the Trifacial nerve by a telephonic communication with the inner ear. It does not strain the drum of the ear as is unavoidable with the use of trumpets. It takes off the continual strain on the organs of the ear, thereby benefiting them, and has often produced a perceptible benefit in the natural hearing of those using it.

The principles involved in the Earphone are the refinement and compression of sound. Means have been discovered by which sound can be refined from 100 to 20,000 times.

NO INJURY TO THE EAR CAN POSSIBLY COME FROM THEIR USE, while the use of ordinary tubes, also the trumpets and many other appliances occasion injurious effects. Out of thousands who have tried this instrument, but ten per ct. could not find relief, and these cases were paralyzed facial nerves.

The Earphone is bell shaped, finished with silver nickel, light weight. Can have ribbon attached so as to hang it on the neck and have it always at hand and ready for use. They are in four sizes, graded in power of augmenting sound, and should be fitted to the case requiring aid.

This Earphone is leading all other devices, and any one interested in this subject should not fail to examine this wonderful invention.

For hearing piano music it is delightful, bringing out the full tone and power.

All instruments to be of any value to the deaf must from the nature of acoustics be of a certain size and plainly visible when in use. The quicker deaf people recognize these facts and use one of these Earphones the greater will be the advantage to them and the more comfort their friends will have who now make a painful effort to converse with them.

Earphones are made of metal—not easily injured—will last a careful person a lifetime; are one of the greatest collectors of sound known. In many cases the state of natural hearing will admit of the use as home of the tubing extension, which makes a convenient change.

PRICE LIST.

The following prices are uniform the whole country over and not varied from under any circumstances.

For No. 1, (also 2 1/2 by 2 1/4 inch)	\$11.00 with refiners.
For No. 2, (also 2 1/2 by 2 1/4 inch)	12.50 " "
For No. 3, (also 2 1/2 by 2 1/4 inch)	16.00 " "
For No. 4, (also 2 1/2 by 2 1/4 inch)	20.00 " "

Without exp and refiners each also will be \$1.50 less than above.
 Short tubing extensions, \$2 each. Long and medium extensions, \$3.00 each.

PERSONS ORDERING ANSWER FOLLOWING QUESTIONS:

1. How long have you been deaf?
2. How far distant from the ear can you hear conversation?
3. Cause of deafness if known?
4. Are both ears alike as to deafness?
5. Can you hear a loud ticking clock when forehead or cheek are pressed upon it?

References to well known people of both sexes who have used for some time one of these Earphones will be given upon application. Can refer also to eminent Aurists in N. Y. City.

Address

DAVID W. COE, Agt.,
 with *Margravia Bro's, Opticians,*
 257 Fourth Ave., Cor. 254 St., New York City.

1882. Drexel, Morgan & Company (D-82-003) [not filmed]

This folder contains correspondence about routine financial transactions undertaken by Drexel, Morgan & Company for Edison or his companies. Material relating to Drexel, Morgan & Company's role as a financier of Edison's electric light and telephone ventures can be found in folders on those subjects.

1882. Edison, T.A. - General (D-82-004)

This folder contains documents, primarily correspondence, covering a wide variety of subjects. Some of the material relates to personal matters, such as Edison's rental of a house at 25 Gramercy Park in New York City. Also included are documents that deal with more than one subject, such as a letter about both the electric light and the telephone. Documents concerning subjects that do not fall under the main subject categories are also filed in this folder.

Approximately 80 percent of the documents have been filmed. Duplicate copies of correspondence, third-party correspondence unrelated to Edison, and unanswered fan mail have not been filmed. Unsolicited requests for personal favors, for loans and exhibits of inventions, and for information about Edison have not been filmed except in cases where a significant answer has been found.

Doston

Happy new
year to you my
Dear Mr Edison
— Will be in N.Y.
on the 5th —
Will come to
see you

Y^r very affectionate
Ed Remond
Give my best wishes
to Mr Johnson
2/11
1882.

Miscellaneous

July 1882

Remmy

[TO SAMUEL INSULL]

My dear Sir: — Phila / 25th 1892
When you send me the
two books on the telephone matter
will you enclose in the parcels
a few of those Electric Light Globes
from Van Hook's magazine & a
couple or so copies of the little book
on the Care of Dynamos, etc.
Yours truly Geo. T. Parker.

29 class
271 Madison Avenue.
Jan 5-22/82

My dear Mr. Edison,

I have just
received a note
from Prof. Barker
saying he cannot
come over this week.
I think therefore
it would be better
to postpone trying
the new electric

arrangement until he
can be here as he
understands running
the engine. May I
trouble you to tell
Al Johnson

Very sincerely yours
Anna Trapp

M E N U

du 8 Janvier 1882.

Soupe Edison.

Coquilles à la Dieppoise

Dambon glacé au Madère

Petits pois à la Française

Timbale Vella

Faisans de Bohême sur canapé

Salade

Sultan Siemens à l'orange

DESSERT



E. FEYPELL

DÉJEUNERS & DINERS

PRIX FIXE

& A LA CARTE

toutes heures.

GRAND CHOIX de VINS

des

MEILLEURS CRUS

SERVICE ATTENTIF

Prix modérés.

SALONS PARTICULIERS

pour Diners de Familles et petites Sociétés.

SPECIALITÉ DE PÂTÉS & TERRINES DE POIES GRAS.

Alsace *Strasbourg*

W. H. Miller

International Congress of Electricians
United States Delegation
Paris

American Rights

W. H. Miller

Philadelphia Jan. 13, 1882

My dear Edison:—

I have received
this morning from Mr.
Inull two certificates of
stock; one of five shares
in the Edison Electric Light
Company of New York, the
other of twenty-five shares
in the Edison Electric Light
Company of Europe. This
stock he writes, is sent to
me at your request, and is

I understand, the same as that which you mentioned to me on New Year's day. As I said to you then verbally, I am thrown quite out of balance by this very great kindness on your part. I am quite as much gratified at the evidence it affords of your personal regard and friendship as I am pleased to possess so substantially a proof of it. This is, as I believe, the first time I have allowed any consideration of any other than a friendly nature, to pass between us. I have enjoyed always the visits I have made to you.

I have never talked with you without learning something, and have never come in contact with you without carrying away some valuable fact. Your freedom in talking over with me the work you were engaged in, and the readiness with which you gave me from time to time pieces of apparatus to illustrate your inventions, have established the high regard which I have for you. From the first time I saw you, when you came on here in 1844 and, at my request, showed your photographs, relay to the National Academy, I have always

recognized your ability, and have been glad to claim you as my friend. If at any time I have been able to do you a service; if my opinion has ever strengthened your hands, and my expression of it made more firm your position, I have done it because I had confidence in you and believed that you would come out right. If this new proof of your regard shall make you more than ever my friend, this will surpass to me even its intrinsic value. I thank you sincerely for the gift. I accept it as evidence that you believe that my friendship has been sincere.

Cordially yours
George F. Parker

Closed File

Memo Librarian

Jan'y 16. 82

Attesty

P.O. Menlo Park Jan. 16/82

Mr. Lowell

Dr. Sir

By an order of Penn. R.R. Co. all commissions from W. U. Telegraphic business done at their Depots, go to the R.R. Company and not to the Agent & Opn. as formerly. This order went into effect on the first of this month. So Mr. Phillips of our Depot, does not now have any Commissions on W. U. Telegraphic business.

The above order does not affect this Office of the W. U. which was established by the request of Prof. Edwin and made the Managing Office. All messages simply directed

to Meulo Park will come
to this Office.

As Mr Phillips does not
now get anything from H. U. L.
I thought perhaps you would
give me the better benefit from
that business.

Thanking Mr. E. yourself &
others for past favors.

I remain

Yours &c
M. M. Hussey
Mgr. H. U. L.

My office call is "M. H."

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS AND DELIVERS messages only in connection with its liability, which has been assumed by the sender of the following message.
Errors can be traced only by repeating a message back to the sender for comparison.
The Company will not be responsible for any delay or loss of messages.
The message is not to be used for any other purpose than that requested by the sender under the conditions stated above.

A. R. BROWN, Secy. NORVIN GREEN, President.

Dated *Menlo Park N.J. 19* 188*7*

Received at **791 BROADWAY,** *Jan 19*

To *D. Craull*

65 - save my

READ THE NOTICE AT THE TOP.

*Sharkey is on nine
twenty probably stopped
at factory in Newark*

J. A. Edison

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

Machinists' Tools
AND
MACHINISTS' TOOLS
OF EVERY DESCRIPTION.
—PATENT—
Cold Rolled Shafting,
Couplings, Pulleys,
SELF OILING HANGERS
Turns Every Wheel & Nut,
BELTING, &C.
P. O. Box 4499.

Established 1855.

OFFICE OF

The George Place Machinery Agency,

121 CHAMBERS & 103 READE STREETS,

New York, Jan 20 1882

Paul Small Esq
NY City

Will you kindly see that there is
no hitch about the note coming due next
Wednesday the 25th, you might get the
Edison to sign the note & check dated
the 25th at a new so that should be
any not week there will be no danger
of our being left, any news from abroad.

W. M. Linn
THE GEORGE PLACE MACHINERY AGENCY.
W. M. Linn

H. S. Keith,

Expert in the Generation and
Application of Electricity,
and also gives to Patent Cases.

ELECTRICIAN.

1/2/82

New York, July 29th 1882

Dear Sir:

I received yours of the 27th inst. yesterday;
and called to see Mr. Insull yesterday afternoon.
But he was out.

As it is somewhat uncertain when I can
conveniently call again, I have to say that I will be pleased
to meet you at 65 Fifth Avenue any evening
this week, provided you will make the appointment
by message to me at my office 41 Liberty
St. before four o'clock in the afternoon; or later
than that at my residence 12 W. 45th St.

If you will notify Mr. Insull of this
plan it may be as well as though I had
seen him in person to arrange our meeting.

Yours, resp'y,

H. S. Keith.

Thomas A. Edison Esq. }
65-5th Ave. }
N.Y. }

Answer

Washn. D.C. 1.21.02
Prof. J. A. Edison:

N.Y.

My Dear Prof.

What do you think of
this man's idea?

Yours
W. Painter

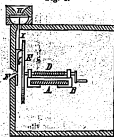
6 3 - 2 - 3

PHOTOGRAPHING THE VIBRATIONS OF THE VOICE.

BY G. CUTRINA.

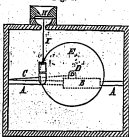
Reading of the experiments of Messrs. Bell and Talbot on the photophone, the idea struck me that the vibrations of the voice might be photographed. Not having the facilities to carry out the experiments, I communicated the idea, with a sketch, to my brother, Thomas Cutrinas, Leeds, who has carried it out as follows: A box, blacked inside, has a shelf, A, on which slides the saddle, B, which carries the

Fig. 1.



plate, E, and shaft, D, by which the plate is rotated. C is a silk thread fastened at one end to the shelf, the other being wrapped round the shaft, D, in that way, when the shaft is turned, traversing the plate in front of the slit, F, and the movable shutter, G. The shutter is connected to the diaphragm, H, by the wire, I, and is opened and closed

Fig. 2.



by the vibrations of the diaphragm. A powerful light is focused upon the slit (sunlight was used in our experiments), and the plate rotated as steadily as possible while speaking upon the diaphragm.

The plate, on being developed, showed a spiral, across which were dark lines showing on the outer circles the vibrations of the diaphragm very distinctly (see Fig. 3); but owing to the much slower speed of the plate, as it drew

Fig. 3.



nearer the center, the vibrations there merged into a dense fog, and were lost.

The vibrations are similar to the indents on the tinfoil of Edison's photograph. We are now trying to reproduce the words by the action of light transmitted through the negative upon a gelatine film, using that in like manner to the tinfoil in the photograph. The plate used was an ordinary wet negative.

STENOGRAPHIC

Amud
S. Inceoll.

M.
Kear Bill

I will be in New York on
Friday ^{or} Saturday ^{and} desire to see
Mr. Edison without fail on Friday
Evening.

Please send me word to
the hotel during the day where
I can do so between eight ^{or} nine
o'clock, and would like to see
you also.

Very truly
W. H. Painter

Miscellaneous

Feb. 2-82

W. H. Painter

Washington D. C. 2-82

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE,

NEW YORK,

6th Feb. 1883

My Dear Edison,
I have seen the
found and seized papers
as President of the
Paid Indicators Coy of Europe.
Have I kindly witness them
being shown in by
11.20 train as I want
his acknowledgement
as subscribing witness
taken before a Notary

The Papers and
to send all a transcript
of the Paid European
Patents from the Inventors
to the Coy & it is
extremely important that
they should go to Europe
by the India Mail steamer
in haste

Very truly yours
Samuel L. Russell

John K. Porter
Lawyer
No. 100 Broadway
New York

W. Schachtel
G. L.

Miscellaneous
Messrs. Lowrey, Brown & Stone
Attorneys & Counsellors at Law,
No. 100 Broadway, (Over the Building)
New York, Feb. 8th 1882

My dear Mr. Innull,
I write to ask you if Mr. Edison has ever written to Mr. Preece, or acknowledged the letters of Sir John Lubbock and Mr. Poyé.
Yours truly
J. P. Long

Mrs. Innull
Edison Electric Light Co
65 Fifth Avenue

Chi. 2.9.82
Dear Edison:
Have written you a personal letter above
reman matter to 65 Fifth Ave.
I shall have the matter in the subject when shall advise you
E. T. Bliss

Hand file letter to 65
5-A

Answer by wire

Miscellaneous

Paints July 10, 52

Washington D.C. 21, 10, 52
Prof. A. Edison
N.Y.
Dear Sir:

I will be in New York on
Saturday and will leave there
3.30 p.m.

Please send word
down to Coe Ruff where I can
see you and at what time.

Very truly
W. J. Fairies

Williamson

Feb. 10. 82

Princes
London

Feb. 10. 82

My dear Edison

I have received

your letter of Jan'y

23rd with a great

deal of pleasure.

I have never heard

J. K. Edison

We regret our estrangement and I am glad to think that by and by you can be byones.

I wish you every possible success

In your present grand work and congratulate you sincerely on what you have done already.....

Yours truly
W. H. Allen

Handwritten text, likely a list or notes, written in cursive. The text is mostly illegible due to the cursive style and fading. Some words are difficult to decipher but appear to include "July 15, 1882" and "July 15, 1882".

Anna Light
July 15, 1882

Handwritten signature or name, possibly "Anna Light", written in cursive.

Answer

6, Lombard Street, &c.
London, Feb 15th 1889.

S. Inshall hope
New York.

Dear ~~Mr~~ Mr Inshall
I have your letter of the 30th January, and shall endeavour to send you at an early date the information you desire. Regarding the under lift system, I think with you that it would be especially suitable for the elevated Railway work. I will get from Mr Stewart himself his private opinion upon its merits, and let you know the results - I am much obliged to you for your interesting information concerning the second dynamo, which we are anxiously waiting for here. I understood from Johnson yesterday that you have everything now ready, and will be shipped immediately to Liverpool - If you do not look out in New York, Johnson will be the first to construct a central system, and perhaps there would be no dis-advantage in it. As regards your remark re Old Telephone matters, I presume that you refer to the London and Glasgow Companies - I may say that I have
been.

2
been increasing in my endeavours to get this
completed, and my last communication ^{from} to the
liquidator was to the effect that the fault
was due to the United Company, and that
he considered the neglect disgraceful. I have
hammered away at the United Company through
Morgan, and now to-day, on receipt of your
letter, I have written him further concerning it.
The only point that requires settlement is the
question as to the liability under Bergmann's
agreement for the last 500 telephones ordered -
The United Company have been wanting to
refer it to arbitration, but the liquidator
says he cannot take that responsibility. It
was therefore last agreed that the document
should be handed to the Chief Clerk of the
Court of the Master of the Rolls for him
to determine if it should be so ~~referred~~ ^{referred} - or
at least for his authority to the liquidator to
compromise it. The Christmas vacation caused some
delay in connection with this, but I shall
probably know in a few days, precisely how
it stands. - Of course you will explain to Mr.
Edison that this is a matter that is not
in my hands; but everything that lies in my
power to get it settled you may rest assured will
be done.

W. H. M. C.

Miscellaneous
CAVANAGH, SANDFORD & Co.
MERCHANT TAILORS. Feb. 14. 82
1107 BROADWAY
New York, Feb. 16 1882

File

Mr Saml - Insull
D.D.W

We will be ready
to try the dress coat on Mr
Edison at 9 o'clock tomorrow
(Friday) Morning - In order
to get the suit done at the
specific time (Monday afternoon)
it will be necessary to see it
on Mr. E. as close to 9^o as
in the morning as possible.
Please let us know & oblige

Yrs. Respy
Cavanagh, Sandford & Co.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed to by the sender of the following message. Errors can be remedied against only by repeating a message back to the sending station for correction, and the necessary bill will hold itself liable for errors or delays in transmission or delivery of unrepeated messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager

NORVIN GREENE, President

NUMBER	SENT BY	REC'D BY	CHARGE
391	<i>C. R. J. J.</i>		603

Received at **791 BROADWAY.**

Dated *Washington Dc* *22* *Feb'y 20 1882.*

To *Sam'l A. Insull 6 5 Ave*

Will be at Willards Hotel

until ten Wednesday morning

Edison

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

New York, Feb'y 20th, 1852.

Thomas A. Edison, Esq.

Dear Sir: -

You may recall writing me at Boulder, Colorado several years ago about some tellurium ore. I have always had a desire to know the results of your experiments with the ore I sent you, if indeed you ever received it.

I would like to see you upon another matter, if you care to give any attention to it:

I am in New York for the purpose of raising money for mining and smelting in Boulder C. Colo.

The enterprise is based upon a solid foundation and is genuine in every respect. If it meets your approval I think I can make it worth your while to lend me some aid in raising the money needed. Should be happy to call upon you at any time and place you may specify.

Yours Respectfully, Thos. Wood
417 Lafayette Place

Ref. to yours
of 20th my time
is so much
occupied in the
development of
my various
inventions that
I am obliged to
refuse to enter
into outside
matters.

My movements
are very uncertain
so it is impossible
for me to make
any appt with

you but if at
any time you
are passing this
way I shall
be glad to see
you if I am in

6, Lombard Street, E.C.
London, Feb 21 1892

S. Insall Esq.
65, Fifth Avenue, New York.

Dear Insall,

In reply to yours of the 19th ult. asking
for copies of the Electric Light & Railroad contracts
with Mr Edison, I think you will find that
they are somewhere in your office, as they were
all printed upon printed forms, and duplicates left there -
I send you herewith enclosed a list of those which
I have, and if you will name which you are
without, I will have copies sent you

Yours faithfully
J. J. Forman

Electric RailwaysAgreements dated 18th August 1880 -

1. Gibraltar, Heligoland, Malta & Gozo, Hong Kong, Cape of Good Hope, Gambia, Sierra Leone, Bulunia, Gold Coast, Lagos, St. Helena, Ascension Island, Natal, Mauritius, Bermudas, Antigua, Bahamas, and Turks Islands, Barbadoes, Dominica, Jamaica, Montserrat, St. Kitts, St. Lucia, St. Vincent, Tobago, Tortola, Trinidad, South Australia.
2. Holland, Gibraltar, Greece, Turkey, Roumania, Bulgaria, Servia, Bosnia, Montenegro, Cyprus, Malta, East India Islands, West India Islands, except Cuba & Porto Rico, Greenland, Iceland, Empire of Japan, The Isles of the Pacific, St. Helena, Bermudas, Ascension Isle, Madeira Isle, Mauritius Isle, Madagascar, Bahamas, Monaco, Heligoland, Africa except Cape Colony, Asia, except India.
3. ~~(Edition to navigatory)~~
~~assigning a certain interest~~
Gibraltar, Greece, Turkey, Roumania, Bulgaria, Servia, Bosnia, Montenegro, Cyprus, Malta, East India Islands, West India Isles except Cuba & Porto Rico, Greenland, Iceland, Empire of Japan, The Isles of the Pacific, St. Helena, Bermudas, Ascension Isle, Madeira's Isles, Mauritius Isle, Madagascar, Bahamas, Monaco, Heligoland, Africa, except Cape Colony, Asia, except India.

Power of Attorney Do

4. Gibraltar, Greece, Turkey, Roumania, Bulgaria, Servia, Bosnia, Montenegro, Cyprus, Malta, Africa, except Cape Colony, Asia, except India, East India Islands →

N^o 4 (continued)

West India Isles, except Cuba & Porto Rico, Greenland, Iceland, Empire of Japan, The Isles of the Pacific, St. Helena, Bermuda, Ascension Isle, Madeira Isles, Mauritius Isle, Madagascar, Bahamas, Monaco, Heligoland.

5. Power of Attorney do

Gibraltar, Heligoland, Malta & Gozo, Hong Kong, Cape of Good Hope, Gambia, Sierra Leone, Benin, Gold Coast, Lagos, St. Helena, Ascension Island, Natal, Mauritius,

21. Re-Guiana, Antigua, Bahamas & Furlis Islands, Barbados, St. Vincent, Tobago, Tortola, Trinidad, South Australia -

Electric Light - Agreements - Dated August 18th 1880

1 (Assigning a certain interest in Electric Light Patents for Gt. Britain. June 9th 1879)

2. Power of Attorney do

Gibraltar, Heligoland, Malta & Gozo, Hong Kong, Cape of Good Hope, Gambia, Sierra Leone, Benin, Gold Coast, Lagos, St. Helena, Ascension Island, Natal, Mauritius, Bermuda, Antigua, Bahamas & Furlis Islands, Barbados, Dominica, Jamaica, Montserrat, Nevis, St. Kitts, St. Lucia, St. Vincent, Tobago, Tortola, Trinidad, South Australia.

3. Holland, Gibraltar, Greece, Turkey, Roumania, Bulgaria, Servia, Bosnia, Montenegro, Cyprus, Malta, East India Islands, West India Isles, except Cuba & Porto Rico, Greenland, Iceland, Empire of Japan, The Isles of the Pacific, St. Helena, Bermuda, Ascension Isle, Madeira Isle, Mauritius Isle, Madagascar, Bahamas, Monaco, Heligoland, Africa, except Cape Colony, Asia, except India -

Confidential

The World:
New York, Feb. 22, 1882.

47 Cranberry St.
Brooklyn.

Dear Mr. Edison:

Will you kindly name an outside firm for which you think an electrical apparatus could be devised prepared to take divisions in the House at Washington and record them? A friend of mine will bring the question up shortly in Congress, and I know it will prove popular. Hence I should like to give him an idea of the cost.

The problem is simple - two buttons or a switch played to right and left (the former preferable) for the "Aye" and "No" at each of 320 desks, and an annunciator at the clerk's table on which the pressure of the button would record the vote, printing it at the same time and announcing it. The best desiderata

could be attained by a check-work system or the employment of balls of equal weight liberated by the pressure on two buttons into two receptacles connected with a balance.

Such an apparatus would I think "take" bolts with our State Legislatures and in England, and if you are interested in the subject I will send you a few notes I have made on it. Meanwhile I shall like to know at what figure we could put the cost.

Very truly:

G. T. Langer.

Handwritten notes and scribbles at the bottom right of the page.

STENOGRAPHIC
SHEET NO. 100

Ames Light

Est-23-

Washn D.C. 21. 23. 87

W. H. Muller
D. Muller & Co
Painters

Dear Sir:

Yours 2. 23. to hand.

I received a decision from some high cockolomum in England about the Barton Feather which I have not had time to read very carefully yet. Is that what you mean by the Microphone fight?

After much tribulation & imperfect machinery, found all not fitting the axets by two or three axes with the speed of the shafting. we got the machine started this evening, but the belt slipped so we could only get 90 or 100 revolutions, but by perseverance we got it up to 1220, shortening

2

and tightening the belts. The lamps went off. K. gave general satisfaction. Pass were still running when I left the office an hour ago.

I think we will be driven to procure a special engine. Will know more about it tomorrow.

Yours
W. H. Muller
Per Ash

Edison Michol 1880
 ESTABLISHED 1880.
 OFFICE OF *July 25-82*

Edison Michol
 The George Place
 Machinery Agency,
 121 CHAMBERS & 103 READE STS.,
 New York, N.Y. *1882*

Edison Michol
 Machinists' Tools
 OF EVERY DESCRIPTION
 PATENT
 Cold Rolled Shafting,
 Couplings, Pulleys,
 SELF OILING HANGERS
 Tails Iron Works & Mill,
 BELLING, 50.

P. O. Box 4499.

W. A. Edison
 My dear Sir
 I enclose @ send the
 note of J. A. Edison
 choo 22 @ 3 months \$7475.
 remain one half it,
 note @ three mos -
 Feb 25 @ - 3737.50
 Duck - 3737.50

Yours respectfully
C. Duck Brand
 THE GEORGE PLACE MACHINERY AGENCY.

Mr. Edison
is absent in
Florida

Carriage moved to
Rm. 202 D.W.A.Y.
35 BROADWAY
1st Church St.

Engineering Office
George B. Mallory,

Coal & Iron Exchange,

New York, Dec 27, 1882

Subject _____
Thos. A. Edison Esq.

Dear Sir

Mr Geo. B. Mallory
has been engaged by the Managers
of the Northern Pacific R.R. and the
Oregon R.R. & Navigation Cos to look
after their grain interests in the
west and is at present on the
Pacific Coast in the performance of
that duty. I have a communication
from him instructing me to call on
you and ask you if there is
anything he can do while there - which
will be for a month or so yet - to
further the interests of your Company.

Engineering Office

George B. Mallory

Coal & Iron Exchange

New York, _____ 18__

Carried over to
Reel 62 DWAY.
55 BROADWAY.
New Church St.

Subject _____

in pursuance of these instructions I have called, several times, at your office, 65 Fifth Avenue, but each time you were absent.

I take this means of delivering my message and saying if there is anything you would like to communicate to Mr. Mallory I will take great pleasure in either furnishing you with his address - it changes very few days - or transmitting your communication myself immediately on its receipt.

Yours truly
J. Macdonald
Asst. to G. B. M.

Miscellaneous

4 East 86th Street

March 1 1882

Dear Edwin

Received
Cully

4/2/82

I had intended to call personally upon you today about the enclosed list, which explains itself, and in which my wife and daughter are very much interested. But I find myself imprisoned in the house by a bad cold, which might become worse - they worse were I to venture out in the rain.

Can you give some help to this subject? If for instance you donated a share of the E.L. it would make a decided sensation when it

cannot be raffled for at
the fair to be held next
month.

Please return enclosed
note to the above address
and oblige

Yours sincerely
Thos. Spence

Thos. Alderman

incl.

W. S. W.

My Dear Sir,

Elevators

6, Lombard Street

London E.C.

Mar. 8th / 82.

Colonel Gouraud has asked me to obtain particulars for you as to the elevator used in Steward's Building as enquired for in your letter of the 30th January. I have seen the inventor, and got him to give me full details of the elevator in question, a copy of which I send you enclosed. I have no doubt this will answer all the questions you require. He states that the price of an elevator for about 70 feet, 12 Cages, with turntable Gear complete, the top and bottom wall Box, and Gear, and Friction Driving Gear and brake at the top, also the necessary Pitch chain for winding the Cages, 12 feet apart centre to, also one Horizontal Engine, well packed for shipment, & delivered f. o. b. London will be £475. He further states that he is in treaty at the present time with several gentlemen for the erection of these elevators to work underground Railway traffic in London. Mr. Stewart speaks very highly of the apparatus, stating that he considers it the

most perfect out for elevating a continuous stream
of passengers without their having to wait any time
for the lift.

If you desire any further information of
course I shall be only too pleased to obtain it
for you if possible.

Yours faithfully

J. R. Piggy

Abstract of a Letter.Cyclic Elevator

In compliance with your esteemed request, I have great pleasure in giving you a few particulars of my Patent Elevator. Perhaps it will be as well to treat first of its safety, then of its completeness of control, the cheapness of working, and its adaptability to all kinds of traffic.

Safety. The only point that can possibly give way is the chain, and this would cause less danger than the failure of any other part of the machinery, as it instantly becomes a column from the bottom, the chain being made in such a way that it cannot double up, and if a rivet were driven out of the chain at the top, no cage could possibly drop more than two or three inches, but this is a contingency I never for one moment expect, as out of some thousands of Rivets which I have had put into chains, I have never yet had one come out; & again, the chain is capable of standing a strain forty times greater than can ever be brought to bear upon it. This I have proved by having

having sections of different chains tested at Mr. D. Krivaldys experimental works at Southwark. These pieces together with Mr. Krivaldys test certificates I keep at my office for the inspection of all persons interested in the matter.

On the chain becoming so worn as to reduce its strength one third it will no longer work, and compels attention being paid to it.

Control. This is so perfect that one I have now at work at Kensington Palace mansions is stopped and started by an ordinary electric bell push, and ladies, & children, some of whom are quite strangers, are constantly using it.

Cost of Working. - This is so small that in one case, that of the elevator at Mansion House - Chambers (the one you saw) the cost for each person is about $\frac{1}{40}$ of a penny.

Adaptability to all kinds of traffic.

This is best illustrated by my stating that I have them at work at Offices, Houses, and residential flats. - In every case they are open to use by the Public, and are in constant use for small parcels &c. One elevator working in a building of six stories in height, carries over 2000 people to one floor every day (the top floor) and there are seven other floors. - I have them at work

[ENCLOSURE]

would at the following places.

(amongst others) Morrison House Chambers, Bunkersbury,
the Glasgow Herald office, Glasgow, Kensington Palace gardens
& the rose gardens, Kensington.

7/

Miss Bess

Swan

Underhill.

Castleton - St. Agnes.

March 10. 82.

Dear Mr. Watson,

Our friend Mr. Adams
who leaves England tomorrow
for America, will probably
see you when in New York,
& I cannot forbear writing
a few lines to be given you
by his hands.

Since first I heard of you
& of your brilliant inventions
I have felt a desire you

Should know my husband,
for there is evidently so much
similarity in your scientific
presents, & your genius for
invention - that it seems a
more rational thing that
you should be friendly
rather than antagonistic.

I feel certain, if you knew
one another you would be
excellent friends.

Would you think there is
ample room for the working
out of the Edison & the Swan
patents side by side, both

in England & America?

If ever you come to England,
(& I hope you will), we shall
be delighted to see you in
the North. Believe me
Dear Mr. Edison,

Yours V. sincerely
Hannah Swan.

Read
March 19th 1882

Drake Street,
Kingsley Works,
Manchester.

Miscellaneous
March 1882

Having for many years taken
considerable interest in questions which
have a close bearing upon thinking
and working, and having frequently
heard it urged that all great thinkers
and popular authors find the use of
stimulants a help to them in their
intellectual efforts, I am anxious to
have your opinion as to the effects
of tobacco and alcohol upon the mind
and health.

It is clear that whatever its
theoretical aspect, the question can be

best solved by the common experience
of mental workers, and, therefore, a
statement of your experience would
be an important contribution towards
a right conclusion on the subject.

I am, Sir,

yours respectfully,

A. B. Rice

—

T. Edison, Esq.
New York,

[TO SAMUEL INSULL?]

ENGLISH, CLASSICAL and ART
BOARDING and DAY SCHOOLS
FOR YOUNG LADIES

A. E. SLOAN, M. A. Principal.
BUNGALOW POINT, N. Y.
Eight Miles from New York City.

Bergen Point, N. Y. 3/13 1882.

16/3/82
My dear Sir,
Your favor of the 11th inst. came this morning. Please accept my thanks for the kind consideration you are disposed to show to my pupils.

Should the weather prove favorable on Saturday, the 18th, we should be most happy to accept your courteous offer of escort through Mr. Edison's Laboratory & Factory at Menlo Park.

We propose to take, at Elizabeth, the train leaving N. Y. City about 9 A. M. The party will probably consist of about twenty.

If any thing should occur, to prevent our meeting you at the time specified, I will telegraph you very early on Saturday morning.

Very gratefully yours,
A. E. Sloan

[TO SAMUEL INSULL?]

File

The Herald
Editor

Miscellaneous

March 14 1852

New York, March 14 1852

My Dear Sir

Yours of yesterday recd
Will you kindly convey to Mr Edwin
my sincere thanks for his
generous donation to the St
Lawrence Church Fair. I
hope, tell him, it will become
a feature of the fair


Yours sincerely
Samuel Conroy

[TO SAMUEL INSULL]

ENGLISH CLASSICAL and ART
BOARDING and DAY SCHOOLS
FOR YOUNG LADIES
A. J. S. LOAN, M. A., Principal
Eight Miles from New York City.

Bergen Point N. J. 3/17, 1882.

As hitherto intima-
ted by letter, I hope to
meet you in Menlo Park to-morrow
arriving there on the train due
at 10:14 a. m.

Very truly
a. 

Edison
Machinists' Tools
AND
MACHINERY
OF EVERY DESCRIPTION.
-PATENT-
Cold Rolled Shafting,
Couplings, Pulleys,
SELF OILING HANGERS
Tandem Emery Wheels & Hacks,
BELTING, &c.
P. O. Box 4499.

Edison Machine Works.
ESTABLISHED 1855.
OFFICE OF

The George Place
Machinery Agency,
121 CHAMBERS & 103 READE STS.,

New York, Mar 23 1882

F. M. Edison Esq

Dear Sir,

*If you could kindly send
check for the one half amt
on Friday, I would
greatly oblige*

Yours respectfully
THE GEORGE PLACE MACHINERY AGENCY.
C. G. Ballou

Machinists' Tools
AND
MACHINISTS'
OF EVERY DESCRIPTION.

-PATENT-
Cold Rolled Shafting,
Couplings, Pulleys,
SELF OILING HANGERS

Transit Every Wheel & Rack,

BELTING, & CO.

P. O. Box 4499.

ESTABLISHED 1865.

OFFICE OF

The George Place
Machinery Agency,

121 CHAMBERS & 103 READE STS.,

New York, N. Y. 10038

✓
Thos A Edison
65 Fifth Ave

Dear Sir

Your favor enclosing
check for \$37.37⁰⁰ in half
part of your note to our
order due March 25th/12
duly recd and said
amt endorsed on note.

Awaiting renewal note
for balance as per

Very Respectfully,
Yours

THE GEORGE PLACE MACHINERY AGENCY.

Thos A Edison

John K. Porter,
Governor F. Loren,
Geo. W. Stone,
Chas. Francis Stone,
Geo. E. Heath,
Wm. L. Porter.

P. O. Box 1836.

Amv. Light
Porter, Loren, Stone & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad St. (Drexel Building)

New York, Mar. 24th 1882

My dear Mr Insull

Enclosed is one
share of E. E. L. Stock in name
of Mr Edison which please ex-
change & when transferred
to me, as the one share which I
was to give Mr E., to replace one of
those given & given to Mr Corliss
has been already deducted from
the 49 I have certificates which I
sent you in order to have 50 shares
sent to my office deducted. You
will therefore have to send me
two shares.

Did you ever hear of the
Pulsating Pen - It is being sold
- should you not send some

John K. Porter,
Governor F. Loren,
Geo. W. Stone,
Chas. Francis Stone,
Geo. E. Heath,
Wm. L. Porter.

P. O. Box 1836.

Porter, Loren, Stone & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad St. (Drexel Building)

New York _____ 18

2) me to examine if it is giving
the Pulsating Pen - I enclose
the circular

Yours
E. E. L.

I will see you when you
like about Railways -

TRUSTEES.

JOSIAH H. GUNNING,
PRESIDENT.
EDWARD A. JUHRING,
VICE-PRESIDENT.
BENJAMIN D. DOWNING,
TREASURER.
JOHN GRAHAM,
SECRETARY.
NOAH W. PIKE,
MANAGER.



OFFICE OF
THE PULSATING PEN CO.,
34 NASSAU STREET,
NEW YORK.

PRIZE MEDAL AWARDED
BY THE
AMERICAN INSTITUTE

PROTECTED BY
LETTERS PATENT.

The Pulsating Pen.

THE PULSATING PEN and Duplicating Press is a wonderful labor saving machine, by which THOUSANDS OF COPIES can be taken from an original writing or drawing, without the use of battery, acids or gelatine, and is an indispensable requisite of the Counting House.

It is offered at a reasonable price, and is so simple that a boy of 12 years can write with it. The Company feel justified in asserting that the introduction of the PULSATING PEN will overcome all difficulties that have hitherto existed in the process of duplicating written matter. With ordinary care this simple and durable contrivance cannot get out of repair. The use of any colored ink, as well as the deepest black, make it at once desirable and useful to Merchants, Brokers, Lawyers, Architects, Musicians, and all business where a large number of circulars are required.

We call especial attention to the lightness of the Pen (a little over $\frac{1}{2}$ ounce), and great speed and ease in writing.

Directions accompany each Pen.

ADDRESS,

THE PULSATING PEN COMPANY,

34 Nassau Street,
NEW YORK.

with the
 second
 m. s. c.
 & on his
 letters

PATENT OFFICE
 MADISON SQUARE
 New York, April 15, 1882.



MADISON SQUARE.

New York, April 15, 1882.

T. W. Edison Esq
 Dear Sir

Messrs. Junata & Wolff of
 London, are desirous that we should
 take the sale of their Toyograph, an
 apparatus for duplicating writing.
 I have become connected with Mr.
 Wolff firm (E. Wolff & Sons) that makes it
 an object to carry out their wishes.
 They do not desire it to be worked in
 connection with their Paperograph, and have
 placed the matter in our hands. I understand
 that it conflicts with some patent of yours and
 my object in writing you is to know some arrange-
 ment can be made, whereby the Toy must of
 course operate in your own possession, but
 since the conflict the Toy must be for duplicating
 writing. The sale will be final, but will be of no
 more to me. Very truly yours
 Geo. A. Smith
 Address: 749 & 750 Broadway Boston

[ATTACHMENT]

Refer to ~~number of 25th~~
I am ~~unable~~ to
make arrangements
as to royalty
but would like to
see the Synopses
you refer to in
operation

The Electric Tube Company,

65 Washington St.

T. A. EDISON, Pres.
JOHN KRUES, Treas.
SAMUEL HIGGAL, Secy.

New York, March 31 1882

F. A. Edgson Esq
Mendota Ill.

I do not remember having
bought a Telephone from
you. The " which was
put in my house there
cannot be charged to me
"It was there for business purpose
and is there yet and in good
order may be taken out by
your men.

Please explain
what Telephone is meant
Truly Yours

J. Krues

J. Driscoll Esq
Dr J. W. Tuttle
Little Rock Ark

RECEIVED
APR 4 1882
ANSWERED

Will you please send me
Mr Edison's cheque \$75 for
Expenses Pond Co Europe -
I have made copies but
have agreed not to use
it until all are received
Please let me have it
promptly as there are
bills to be paid which
ought to be settled at once

Yours
C. Goodwin

POST OFFICE
NEW YORK
DEPARTMENT

Paid Indialto

Apr. 4. 82

London

El. 44. - 22m.

50 Wall St

Myak Apr 5th 82

RECEIVED
APR 6 1882

Friend ~~Edison~~ ~~1882~~

ANSWERED

You can do me and Johnson an inestimable amount of good by referring to the anti induction feature of my flat lead cable, in which all wires are separated by walls of a conducting material, when you appear before the Committee on Friday, and you can do it without doing violence to your conscience, reputation or sense of propriety, as there can be no induction. and besides, the wires being all in same plane can be cross connected if desired to the best advantage. ~~---~~

My complications with Baldwin Waring et al. will all come right & we will be in full control of possession soon. We have 92% of the stock now.

John Delany

Send Sample

Private
No 4

Miscellaneous
Apr. 6 82

S. B. Company
RECEIVED 6. 82

APR 6 1882
ANSWERED

Dear Mr. Editor.....188...

It is due to you to state that your contribution of the St. Lawrence Church Fair was turned over 5 one to one of the Ladies. Under the supposition that the Phis would not allow your contribution or anything else to be raffled off (being contrary to the Lottery Law) it was sold at the market price, and converted into money for which you get no credit. But at the same time I regret it, as I don't believe the Phis would have bought about a 1000 church fair and I feel convinced three or four times.

the amount of money would have
been realized by getting shares
on it.

However it is done and
cant be undone. But is you
game to under the impression
it was to be raffed for it is
due to you + make this
affairative

Yours very truly
Thos W. Sprague

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY

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This receipt is an UNREPEATED RECEIPT and is subject to the conditions of the code, which its contents are referred to above.

A. F. WILVER, Secy. 244 NON-PAID GREEN, FRANCE 188

Dated Palatka, Fla 188 8

Received at 791 BROADWAY. apl 8

To Chas A Edison
65 Ave

READ THE NOTICE AT THE TOP.

Birds shipped Charleston line
menlo Park April fifth
Hoyt & Dickinson

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

Miss Ulanow
Palatka, Fla., April 8, 1882

M.

RECEIVED
APR 10 1882
HOYT & DICKINSON
ARTISTIC + TAXIDERMISTS
Hall Decorations, Fire Screens, Lamp Shades, Etc. 1882

PALATKA, FLA.—FROM NOV. TO MAY; STAMFORD, CONN.—FROM MAY TO NOV.
Work always prompt and in Good Taste.

Palatka April 8th 82

Thomas Odlin Esq

Your birds shipped
via Charleston Line April 6th

Shells sent this day
by Southern Express.

The two tinnyer fans
which you paid twelve dollars
for will be sent in a few
days from Stamford Conn—

We could not get the
birds to mount on their
mail we returned home
which will be to April 12th

Respectfully
Hoyt & Dickinson
Stamford Conn—
Effort

Wm. H. Hoyt

Thos. A. Edison Esq.

Dear Sir:

Cu Milling
Apr. 5th 52

Keith

I have the "Baird-Bullin"
Decalverizing Process by Elect^y
at work on a considerable scale.

You remember you wanted
to see it at work; and so
do I want you to.

Will you please drop me
a line naming a time when
I can see you about it, etc.

By naming a time when
you can come to my office and
go with me in the immediate neigh-
borhood, to see it time may be
saved.

Yours, respy

A. S. Keith
41 Liberty St.

Friend Edison

RECEIVED

APR 14 1882

ANSWERED

APR 14 1882

When our son came out to go
on another hunt and trapping trip
was out with a party of Battle
snick last summer and had
grand luck there was a band of
Elk and deer around us for a
week and (no counting the black
tailed deer) Joe W. Connell of
North Platte was one of the party
The lites killed our old teamster
Carl Goldstein the old fellow
that drove the six horse team
singular that two of our party
should be killed by the lites!
do you see Prof Barker if
you give him my kind regards
also remember me to Prof Souper and
Houston Hope you will be out
this year again

Very Truly
R. M. Calbraith

37-

Apr 14. 82

Galbraith

9 d - 7 y 7
g - m c v e v
l - l - c v e e
h l i o s x

Miscellaneous

Hedges

Amc

20/11/82

April 19-1882

J. A. Edison, Esq.
65 7th Ave, N.Y. City.

Dear Sir

I regret to trespass upon your time, especially when ill, for a trifle, but I see no just way to help it. Someone, acting for you, instead of buying the lots of Messrs North & Bonhote my clients - adjoining your house at Menlo Park - and entering them afterwards, in the usual way - had enclosed them first. We will sell, but the many obvious advantages afforded by the situation, tend to stiffen prices. My clients are a little provoked & worried just now, but I will see, that they deal fairly with you, if I hear from you in the same spirit before it is too late.

P.S. My New York office is 99 Clarendon St. Room 9 1st Floor

J. D. Hedges

[FROM WILLIAM H. KELLY]

Blank No. 1
THE WESTERN UNION TELEGRAPH COMPANY.

The Company's TRANSMITS and RECEIVES messages for telegraph and cable lines, and is authorized to be the carrier of the following messages: Messages by special agreement and for special or commercial purposes. The Company will not be held liable for errors of delivery or non-delivery of telegraph messages, or for messages sent by cable, or for messages transmitted by radio, or for messages transmitted by other means than those mentioned above.

A. H. BRUNWEL, Sec'y. *246* MORVIN GREEN, Pres't.

Received *RECEIVED*
Date *April 19 1892*

Received at *791 BROADWAY*

to Messrs. - Care Edison

READ THE NOTICE AT THE TOP.

*Our Bill ordered to third
reading in the assembly today
W.H.K.*

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

37, HOLBORN VIADUCT,
LONDON, W.C. APRIL 23, 1882.

THOMAS A. EDISON ESQ.,
65, FIFTH AVENUE, NEW YORK.
U. S. A.

MY DEAR EDISON,

BEFORE ADDRESSING THE MAIN BODY I WILL DEAL WITH
THE BRANCHES.

~~COLONIAL MATTERS.~~ THE DUKE HAS ACCOMPLISHED NOTHING IN RES-
PECT TO THE DISPOSITION OF THE COLONIAL LIGHT, AND, SEEING NO
DISPOSITION ON HIS PART TO TAKE PARTS ON THE MATTER, I HAVE REQUESTED
MR. WATSON TO SEE WHAT HE CAN DO IN THE WAY OF OBTAINING
FROM SOME OF HIS FRIENDS, A PROPOSITION TO ME. MEANWHILE, I
HAVE INTIMATED TO GOUNOD THAT I HAVE HAD IT HINTED TO ME THAT A
PROPOSITION ~~WAS MADE~~. I WANT TO STIMULATE HIM TO AC-
TION. THE HEAD AND FRONT OF ALL HIS TROUBLES IN THE MATTER ARE,
TO MY MIND, SIMPLY THAT HE IS HIMSELF ON BOTH SIDES OF THE FENCE.
BEING BOTH PURCHASER AND SELLER.

~~ORIENTAL TELEPHONE.~~ ORIENTAL TELEPHONE MATTERS WERE ONLY BROUGHT
TO AN ISSUE BY MY REPEATED DEMANDS UPON THE DUKE FOR A STATEMENT
AND A DIVISION OF THE MONEY. IT IS A LONG STORY AND ONE OF THE
MOST COMPLICATED THAT I HAVE EVER HAD AUGHT TO DO WITH, IS THIS
ORIENTAL BUSINESS. I UNDERSTAND SWETT THOROUGHLY, AND WILL EX-
PLAIN IT TO YOU SOME OF THESE DAYS, IN PERSON; IT IS TOO LONG
AND INTRICATE, AND OF TOO LITTLE IMPORTANCE TO ATTEMPT ~~TO WRITE ON~~
PAPER. EVERY MAN WHO RECEIVES MONEY UNDER THIS FINAL SETTLEMENT
HAS BEEN OBLIGED TO SIGN AN INDEMNITY BOND, EXEMPERATING THE ORIEN-
TAL COMPANY AGAINST LOSS IN RESPECT TO A CERTAIN CONTRACT FOR
4,000 TELEPHONES AT £2. EACH, AMOUNTING TO A LIABILITY, AT THE

OUTSIDE, OF £80,000, BUT REALLY AMOUNTING TO LITTLE OR NOTHING, FOR THE REASON THAT A COMPANY HAS BEEN FORMED TO TAKE OVER THESE 4,000 TELEPHONES AND DEAL WITH THEM COMMERCIALY. THIS COMPANY HAS OBTAINED THE OPINION OF HENSHAW AND OTHERS, TO THE EFFECT THAT THESE TELEPHONES MAY BE USED IN THIS COUNTRY, AND FURTHER, THAT THEY MAY BE USED WITHOUT PAYMENT OF LICENSE TO THE GOVERNMENT, THEY ARE THEREFORE MORE VALUABLE THAN THE TELEPHONES OF THE UNITED COMPANY, CONSEQUENTLY, THIS COMPANY OUGHT TO BE ABLE TO DEAL WITH THE QUESTION OF THEIR DISPOSITION IN A WAY THAT WILL NETT A HANDSOME PROFIT, INSTEAD OF INCURRING ANY LIABILITY. AT ALL EVENTS, THEY WILL BE WORTH SOMETHING; SO THAT THE £80,000 WILL BE REDUCED BY WHATEVER THIS COMPANY DERIVES FROM THEIR SALE. THE CONTINGENCY THAT THOSE SIGNING THE INDEMNITY BOND WILL EVER BE CALLED UPON TO MAKE GOOD ANY LOSS IS EXCEEDINGLY REMOTE, AND THE PROBABLE AMOUNT OF SUCH LOSS - IF ANY - WOULD BE SO EXCEEDINGLY SMALL, THAT I ADVISED YOU, IN VIEW OF THE CONSIDERABLE SUM OF MONEY YOU WOULD THEREBY IMMEDIATELY OBTAIN, TO AGREE THAT GAUREAUD'S SIGNING THE INDEMNITY. I KNOW YOUR OBJECTION TO INCURRING LIABILITIES, BUT I THINK I AM PERFECTLY SAFE IN ASSUMING THAT WERE YOU PERSONALLY ACQUAINTED WITH ALL THE FACTS, AS I HAVE HAD THEM LAID BEFORE ME, YOU WOULD UNHESITATINGLY ASSUME THIS ONE.

UNITEDS. THE UNITEDS WERE SOLD, AND THE RESIDUE DUE YOU, AFTER DEDUCTING MR. BATCHELOR'S 20 P/O AS PER YOUR CABLED INSTRUCTIONS, ~~HAS BEEN~~ WAS TRANSMITTED TO YOU BY GAUREAUD, THROUGH DREKELS, BUT AS USUAL, NO SPECIFICATION WAS MADE AS TO WHAT THE MONEY WAS FOR. IT SEEMS TO ME THAT YOU REST VERY QUIETLY UNDER A STATE OF AFFAIRS WHICH ENABLES A MAN TO KEEP ALWAYS IN THE BACKGROUND, A VERY CONSIDERABLE ^{OR} SURPLUS OF YOUR MONEY, I SHOULD MOST CERTAINLY DEMAND A COMPLETE SQUARING OF THE SLATE, YOU CAN DO THIS NOW IN RESPECT TO UNITEDS, FOR THE REASON THAT THE LAST ACT OF THAT DRAMA

IS CLOSED, AND THERE IS NO REASON WHY A FINAL ACCOUNT SHOULD NOT BE HAD BETWEEN YOU. AS TO ORIENTAL, THERE WILL BE AN OPEN ACCOUNT YET FOR SOME TIME, INASMUCH AS A CERTAIN SUM, (£13,000, I THINK) IS RESERVED TO MEET THE EXPENSE ACCOUNTS OF THE DIFFERENT PARTIES, WHICH EXPENSE ACCOUNTS ARE TO BE THE SUBJECT OF NEGOTIATION, LOOKING TO THEIR ADJUSTMENT AND SETTLEMENT. THE SUM RESERVED IS LARGELY IN EXCESS OF WHAT WILL ULTIMATELY BE REQUIRED TO COVER ALL THESE EXPENSES. THERE WILL THEREFORE BE A FURTHER SUM FOR DIVISION, SOME TIME IN THE FUTURE, BUT WHEN - THE LORD ONLY KNOWS! I BELIEVE YOU HAVE NO OTHER INTEREST, TELEPHONIC, FROM WHICH YOU MAY EXPECT A REVENUE. OF COURSE, ALL ORIENTAL SHARES ARE AVAILABLE NOW FOR DIVISION, AND IF YOU DESIRE IT, I WILL ASCERTAIN WHAT THEY MAY BE MARKETED FOR, AND ADVISE YOU BY CABLE WHEN YOU MAY DECIDE AS TO THEIR SALE.

PARIS. I WAS IN PARIS, SATURDAY AND SUNDAY, A WEEK AGO, AND SPENT THE ENTIRE TIME WITH BATCH. I WENT ALL OVER HIS SHOP, AND WAS DELIGHTED WITH THE SCALE OF HIS OPERATIONS, THE PERFECTION OF EVERY DETAIL AND THE THOROUGH AND ORDERLY MANNER IN WHICH HE HAS ESTABLISHED HIMSELF. I AM OF THE OPINION, HOWEVER, THAT THEIR ONE MILLION FIVE HUNDRED THOUSAND FRANCS WILL NOT CARRY THEM VERY FAR INTO PRACTICAL OPERATION. STILL, BACHELOR ASSURES ME THAT THERE IS NO DOUBT BUT THAT WHATEVER ADDITIONAL SUM IS REQUIRED, IT WILL BE PROMPTLY FORTHCOMING. I HAD A DELEGATION OF HIS PEOPLE TO SEE ME START UP ON THE VIADUCT, AND I SO IMPRESSED THEM WITH THE SIMPLICITY AND PERFECTION OF THE LARGE CENTRAL STATION MACHINES AS TO REMOVE (AS BACHELOR SUBSEQUENTLY INFORMED ME) A LINGERING DOUBT FROM THEIR MINDS, AS TO THEIR PRACTICAL CHARACTER, AND BACHELOR NOW TELLS ME THAT THE RESULT HAS BEEN, THAT THEY HAVE ORDERED FOUR OF THESE FROM YOU. YOU WOULD HAVE BEEN AMUSED, HAD YOU BEEN PRESENT ON THE NIGHT IN QUESTION. THE ANXIETY WHICH I

COULD NOT HELP BUT FEEL, OVER THE STARTING UP OF THESE MACHINES, COUPLING THE TWO TOGETHER, AND SO ON, I MANAGED TO CONCEAL, IN THE FORM OF A JUBILEE ^{and} ORGIE. A LA MENLO PARK, AND THUS TO UTILISE IT AS A WEAPON OF CONFIDENCE. AT ALL EVENTS, THESE PARIS PEOPLE SEEM TO HAVE TAKEN OUR ACTION AND CONDUCT AS BETOKENING ABSOLUTE CONFIDENCE IN THE THING.

LONDON. YOU PROBABLY WILL BE INTERESTED IN SOME DETAILED ACCOUNT OF THE CONDUCT OF THE TWO DYNAMOS SINCE THE OPENING NIGHT. LET ME FIRST ASSURE YOU THAT SINCE WE STARTED UP TO DO THE LIGHTING WE HAVE NOT HAD A FAILURE OF ANY CONSEQUENCE THOUGH WE HAVE SEVERAL TIMES BEEN ON THE VERGE OF IT. WE RUN FROM 5 PM TO 6 AM. WITH A LOAD VARYING FROM 1000 TO 500 STANDARD LAMPS. WE SOMETIMES RUN WITH THE TWO MACHINES AND SOMETIMES DO THE WHOLE OF THE WORK WITH ONE JUST AS THE WHIM TAKES US. THE FIRST NIGHT THAT THE GAS WAS TURNED OFF FROM THE STREET LAMPS AND WE WERE ENTIRELY DEPENDED UPON, I HAD TWO DISTINGUISHED PARTIES TO ENTERTAIN. FIRST CAME THE DUKE OF ARGYLL AND MACDONALD (MANAGER OF THE TIMES) AT THE MOMENT OF MACDONALD'S ARRIVAL AND AFTER THE DUKE HAD BEEN WITH ME SOME TIME AND WHILE WE WERE YET UPSTAIRS THE LIGHTS ALL SUDDENLY WENT OUT. I KNEW HAMMER WAS BELOW AND I KNEW FURTHER THAT SOMETHING HAD HAPPENED BECAUSE WHILE IT WAS CONTEMPLATED THROWING THE LIGHTS OFF FROM ONE MACHINE TO THE OTHER FOR THE DUKE'S EDIFICATION IT WAS NOT CONTEMPLATED DOING IT UNTIL I GAVE THE WORD, BUT AT ONCE ASSUMING THAT WHATEVER HAD HAPPENED HAMMER WOULD INSTANTLY AND PROMPTLY START THE SECOND MACHINE, I QUIETLY REMARKED TO THE DUKE AND MR. MACDONALD THAT WE WERE SHIFTING OVER FROM ONE MACHINE TO THE OTHER TO ILLUSTRATE HOW QUICKLY IT COULD BE DONE AND ALSO TO SHOW WHY WE HAD A RESERVE MACHINE. I ASSURED THEM THAT IN A MOMENT THE LIGHTS WOULD REAPPEAR AND HAD SCARCELY FINISHED A BRIEF AND HURRIED SENTENCE TO THIS EFFECT WHEN THE LIGHT

BEGAN TO SHOW . NOW THIS DID NOT OCCUPY LONGER THAN 30 SECONDS AND PRODUCED A HAPPY EFFECT SINCE MY GUESTS THOUGHT IT WAS VERY QUICKLY DONE . AFTER ALLOWING SOME TEN MINUTES TO PASS I INVITED THOSE PRESENT TO GO BELOW AND SEE THE ENGINE. ON ARRIVING THERE, I FOUND THE OTHER MACHINE DOING THE WORK AND THE DISABLED MACHINE AT REST . IT SEEMS THAT THE TROUBLE WAS CAUSED BY ~~THE~~ HAMMER'S ADJUSTING THE BRUSHES TO MUCH END ON, NOT GIVING THEM A SUFFICIENT ANGLE, THEREBY CAUSING THEM TO SPARK BEYOND HIS CONTROL , FINALLY, TO SUCH AN EXTENT, THAT HE THOUGHT THE ENTIRE CONCERN WOULD BURN UP, WHEREUPON HE THREW THE MACHINE OUT OF CIRCUIT, SWITCHED IN THE OTHER AND STARTED UP AS QUICKLY AS POSSIBLE . ALL THIS OF COURSE IS PRIVATE AND DID NOT APPEAR TO ANY ONE AND IS ONLY KNOWN AMONG OURSELVES . UNFORTUNATELY FOR US, THERE WAS A CONCERT BEING GIVEN AT DR. PARKER'S CITY TEMPLE AND IN THE MIDST OF IT DARKNESS CAME UPON THEM . THE GAS-MAN WAS, HOWEVER, AT HIS POST AND PROMPTLY TURNED ON THE GAS BUT HAD SCARCELY DONE SO Ere THE ELECTRIC LIGHT REAPPEARED . THE ONLY EVIL EFFECT HAS BEEN A SHORT PARAGRAPH IN THE CITY PRESS , THE ELECTRICAL REVIEW AND THE GAS LIGHT JOURNAL, THAT THE EDISON LIGHT HAD FAILED, AND A DISASTROUS PANIC IN THE CHURCH WAS ONLY AVERTED BY THE ENERGETIC *action* WORK OF THE MAN IN CHARGE OF THE GAS. THIS PARAGRAPH I HAVE SO FAR PASSED UNHEEDED BUT IF IT SHALL APPEAR IN ANY MORE OSTENTATIOUS FORM AND BECOME THE SUBJECT OF REMARK I SHALL COME OUT AND ASSERT THAT THERE WAS NO FAILURE OF THE LIGHT, BUT THAT IT WAS WITHDRAWN 30 SECONDS IN SHIFTING FROM ONE MACHINE TO ANOTHER AND THAT THIS WAS DONE FOR THE EDIFICATION OF SOME DISTINGUISHED VISITORS . I SHALL BE ABLE TO GIVE COLOUR TO THIS ASSERTION BY VIRTUE OF THE FACT THAT TWO HOURS LATER WHEN MY SECOND DISTINGUISHED PARTY OF VISITORS ARRIVED, NAMELY , THE DUKE OF SUTHERLAND , CAPTAIN SHAW AND OTHERS I EXPLAINED WHAT I HAD JUST DONE FOR THE

EDIFICATION OF THE DUKE OF ARGYLL AND INVITED THEM TO COME DOWN INTO THE ENGINE ROOM AND SEE ME DO IT AGAIN (THE BRUSHES HAVING BEEN READJUSTED BY THIS TIME ALL WAS IN READINESS TO SHIFT BACK) I WENT DOWN BUT THE PARTY PREFERRED TO GO ON TO THE STREET AND WATCH THE EFFECT ON THE LIGHT, IN ORDER TO NOTE THE LENGTH OF TIME IT TOOK TO SHIFT FROM ONE MACHINE TO ANOTHER. THIS SUITED MY PURPOSE ADMIRABLY, FOR I PROPOSED THAT THE OPERATION SHOULD BE AN EXCEEDINGLY BRIEF ONE. ON REACHING THE DYNAMOS I STATIONED HAMMER AT ONE ENGINE AND HOOD AT THE OTHER, AND GAVE HOOD PARTICULAR INSTRUCTIONS TO TURN HIS STEAM ON RAPIDLY AND WITH ENTIRE CONFIDENCE THE MOMENT THAT I PULLED THE PLUG FROM THE OTHER MACHINE. HAMMER SIMPLY SHUT OFF THE STEAM FROM THE UNLOADED ENGINE. WHEN THEY WERE ALL READY I GAVE THE SIGNAL TO WITHDRAW THE PLUG, AND BEFORE THE FLASH OF LIGHT WHICH IT PRODUCED HAD DIED AWAY HAD INSERTED IT IN THE OTHER CIRCUIT. HOOD HAD HIS STEAM ON AND THE PARTY UPSTAIRS (AS THEY AFTERWARDS ASSURED ME) WERE UNABLE TO ASSERT POSITIVELY THAT THE LIGHTS HAD EVEN SO MUCH AS ~~SO-HAVE~~ TOTALLY DISAPPEARED. SINCE I HAVE THUS TWO WITNESSES TO THE FACT THAT ON THIS OCCASION THE CHANGE FROM ONE ENGINE TO ANOTHER WAS PURPOSELY MADE AND OCCUPIED SO BRIEF A TIME, I PROPOSE TO ASSERT (IF NECESSARY) THAT THE CHANGE WAS MADE ON BOTH OCCASIONS FOR THE PURPOSE OF ILLUSTRATING WITH WHAT PROMPTNESS IT MIGHT BE EFFECTED, ESPECIALLY AS IT WAS MY INTENTION TO DO IT FOR BOTH PARTIES I WAS ONLY ANTICIPATED IN RESPECT TO THE FIRST BY THE PREMATURE OCCURRENCE OF A ~~NECESSITY~~ NECESSITY TO DO IT, AND IN ORDER TO SUBSTANTIATE WHAT I SAY, I PROPOSE TO CALL THE DUKE OF SUTHERLAND AND CAPTAIN SHAW TO VERIFY MY ASSERTION, WHICH THEY WILL PROMPTLY DO, AT LEAST IN RESPECT TO THAT WHICH WAS DONE WHILE THEY WERE PRESENT. OF COURSE NO ONE WILL DISCOVER THAT THE OTHER OCCASION WAS AN INVOLUNTARY ONE.

THE NEXT OCCASION WHEN WE WERE CLOSE UPON THE VERGE OF A BREAK-DOWN WAS ON THE NIGHT WHEN THE STREETS COMMITTEE OF THE CITY WERE TO VISIT US, AGAIN, ON A THURSDAY NIGHT WHEN A CONCERT WAS ON AT THE CITY TEMPLE (A RATHER CURIOUS COINCIDENCE THAT BOTH THESE CON-
TRETEMPS SHOULD OCCUR ON THE THURSDAY NIGHT ON WHICH NIGHT ALONE DURING THE WEEK, THE CITY TEMPLE IS USING THE LIGHT, EXCEPT SUNDAYS)
THIS TIME WE HAD THE TWO ENGINES AT WORK, I WAS IN MY ROOM, ACROSS THE STREET, WHEN ALL OF A SUDDEN THE LIGHTS WENT DOWN TO HALF POWER. I SKIPPED ACROSS THE STREET TO SEE WHAT WAS WRONG BUT BEFORE I COULD REACH THE OFFICE (LESS THAN TWO MINUTES) THE LIGHTS WERE COMPLETELY RESPORED. ON REACHING THE DYNAMO ROOM I DISCOVERED THAT MACHINE NUMBER 2 HAD GIVEN OUT AND HAD A GREAT FLASH APPEARING ON THE ARMATURE AT REGULAR INTERVALS, RENDERING IT NECESSARY TO INSTANTLY STOP IT, APPARENTLY TO PREVENT ITS TOTAL DESTRUCTION, WE DID NOT DO MORE THAN GIVE IT A CURSORY EXAMINATION AS I ORDERED EVERYBODY TO CONCENTRATE THEIR ATTENTION ON THE NUMBER 3 MACHINE, AS A BREAK-DOWN OF THAT MACHINE UNDER THE CIRCUMSTANCES, WOULD HAVE LEFT US TO ENTERTAIN THE STREETS COMMITTEE OF THE CITY BY GAS-LIGHT OR CANDLES. BEFORE LEAVING, HOWEVER, I GAVE THE REQUISITE INSTRUCTIONS FOR FRANCIS TO GEAR UP HIS TESTING APPARATUS AND TEST THE ARMATURE SO AS TO BE ABLE TO REPORT TO ME EARLY IN MORNING EXACTLY THE EXTENT OF THE DAMAGE. WE TRIED THE MACHINE, HOWEVER, AGAIN, BEFORE HE WAS READY TO MAKE HIS TESTS, AND ALL CAME TO THE CONCLUSION THAT THERE WAS A CROSS BETWEEN 2 OF THE COPPER DISCS AT THE COMMUTATOR END OF THE ARMATURE. FRANCIS THEN WENT TO WORK WITH HIS TESTING APPARATUS AND DISCOVERED THAT IT WAS NOT A CROSS BUT AN ABSOLUTE BREAK IN THE CIRCUIT. A CRITICAL EXAMINATION OF THE PARTICULAR BAR THEN DISCLOSED THE FACT THAT ONE OF THE ~~MIDDLE~~ LITTLE ATTACHMENTS WHICH LEAD TO THE RADIAL COMMUTATOR RODS WAS BROKEN SQUARE OFF, THOUGH WHEN THE MACHINE WOULD COME TO REST IT WOULD SETTLE BACK IN ITS PLACE AND NOT DISCLOSE THE FRACTURE.

ABOUT A COUPLE OF HOURS SERVED TO REMEDY THIS COMPLETELY WHEN THE MACHINE WAS TRIED WITH THE ENTIRE LOAD ON AND WORKED SUPERBLY , THUS, WHAT WAS AT FIRST SIGHT A SERIOUS BREAK-DOWN WHICH WOULD HAVE LEFT US AT LEAST OF SOME DAYS. WITH ONLY ONE MACHINE TO DEPEND UPON, HAPPILY TRANSPIRED TO BE BUT A VERY TRIFLING MATTER, AS THIS OCCURRED AT THE TIME WHEN WE WERE DISCUSSING THE ORDER TO BE TRANSMITTED TO YOU FOR SUPPLIES AND JUST AFTER DOCTOR HOPKINSON HAD RECOMMENDED THAT IT WOULD BE MORE PRUDENT TO WAIT YET A LITTLE WHILE BEFORE ORDERING THESE LARGE MACHINES , YOU CAN UNDERSTAND MY ANXIETY OVER THIS AFFAIR . I FEARED THAT HE WOULD FEEL HIS PRECAUTIONS HAD BEEN JUSTIFIED IN AN EXTRAORDINARY MANNER AND WOULD RE-ENFORCE THEM IN AN ADDITIONAL PRUDENTIAL CAUTION TO THE BOARD, BUT : DISCOVERING WHAT THE TROUBLE ACTUALLY WAS, AND ON A COMPLETE EXAMINATION THEREOF, DOCTOR HOPKINSON WILL GO BEFORE THE BOARD AT ITS NEXT MEETING (THIS WEEK) AND ASSURE THEM OF HIS ENTIRE CONFIDENCE IN THE MACHINE, WHEN THE ORDER WILL BE TRANSMITTED TO YOU BY CABLE. WITH THESE TWO EXCEPTIONS WE HAVE BEEN RUNNING ADMIRABLY. THE AMOUNT OF SPARKING ON NO 3, HAS BEEN REDUCED TO A MINIMUM, AND IS NO LONGER OF ANY CONSEQUENCE. THE BOYS HAVE LEARNED THE PROPER ANGLE AT WHICH TO PLACE THE BRUSHES AND THE PROPER AMOUNT OF AMALGAMATION TO GIVE THEM AND THE COMMUTATOR . HOOD IS INDIVIDUALLY IN THE CARE OF HIS MACHINES. HE IS CONSTANTLY AT WORK, DAY AND NIGHT, IN EASING THEM UP AND TRYING TO MAKE THEM WORK SMOOTH. NO 2. IS HIS PET. HE HAS GOT IT IN BETTER CONDITION THAN NO 3, AND I MUST CONFESS THAT HE HAS DONE GOOD SERVICE IN INCREASING THE SMOOTHNESS AND EFFICENCY OF THIS MACHINE. THE COUPLING OF NO 3. BOTHERS HIM CONSIDERABLY. HE CANNOT GET IT TO WORK TO HIS ENTIRE SATISFACTION,, BUT AS HE IS CONSTANTLY AT IT, AND NEVER GIVES UP, I FULLY EXPECT HIM TO ACCOMPLISH THE TASK WHICH HE HAS SET HIMSELF OF GETTING IT TO WORK ABSOLUTELY QUIET.

THE ENGINE OF NUMBER 3, HAMMERED DISAGREEABLY IN THE CYLINDER. HOOD SAYS THAT THIS CANNOT BE REMEDIED, BUT IT IS NOT PARTICULARLY ANNOYING SINCE IT CANNOT BE HEARD ON THE OFFICE FLOOR. IN OTHER RESPECTS NUMBER 3 IS FAR SUPERIOR TO NUMBER 2. AS A DYNAMO IT IS A PERFECT JUMBO. IT SEEMS THAT YOU HAVE ONLY TO TURN IT ROUND TWO OR THREE TIMES WHEN THE LIGHT BEGINS TO APPEAR WITH BETWEEN 500 AND 600 LAMPS ON. YOU ONLY HAVE TO RUN AT ABOUT 275 REVOLUTIONS TO GET OUR LIGHT. THIS MACHINE WILL RUN 1000 ~~THOUSAND~~ ~~THOUSAND~~ LIGHTS AND DRIVE THE OTHER DYNAMO AS WELL. DR. HOPKINSON EVINCES A LIVELY INTEREST IN THE WORK AND HAS BEEN A GOOD DEAL OF TIME AT THE VIADUCT. HE HAS MADE ONE SUGGESTION WHICH I CONSIDER OF SUCH VALUE AS TO ORDER ITS IMMEDIATE APPLICATION. IT WAS TO THIS EFFECT. HE SAYS THAT IN PULLING THE PLUG FROM THESE MACHINES WHEN THEY HAVE A FULL LOAD ON THE ARMATURES ARE SUBJECTED TO AN UNDUE STRAIN RESULTING FROM THE ELECTRICAL DISCHARGE AND THAT WE ARE LIABLE TO FORCE THE INSULATION. HIS SUGGESTION WAS THAT A SWITCH BE MADE LIKE A COMMUTATOR WITH A HANDLE MOVING IN THE SEGMENT OF A CIRCLE AND AS IT WAS THROWN OVER, INTERPOSING RESISTANCES. OF COURSE THESE RESISTANCES WILL BE VERY LOW, BUT WOULD GRADUALLY INCREASE, SO THAT WHEN THE HANDLE LEAVES THE LAST COMMUTATOR BLOCK AND THUS BREAKS THE CIRCUIT ENTIRELY, THE CURRENT WILL HAVE BEEN SO WEAKENED THAT THE FINAL ABSORPTION WILL NOT INCREASE THE ELECTRO-MOTIVE FORCE IN THE ARMATURE ABOVE ITS NORMAL. I ENCLOSE A LETTER FOR YOUR ATTENTION.

I AM JUST IN RECEIPT OF A LETTER FROM COL GOURAUD ASKING ME TO CABLE YOU FOR INSTRUCTIONS AS ^{TO} THE DIVISION OF ORIENTAL, SAYING THAT HE HAS NINE THOUSANDS POUNDS NOW READY TO DIVIDE. I HAVE REPLIED TO THE EFFECT THAT NO INSTRUCTIONS FROM YOU ARE NECESSARY, THAT MR. BATCHELOR IS THE ONLY PARTY CONCERNED IN THE DIVISION, AND

THAT HE SOME TIME SINCE TOLD ME THAT HE WANTED THE MONEY TO BE SENT TO NEW YORK TO REIMBURSE YOU FOR PAYMENTS YOU HAD MADE ON ACCOUNT OF HIS ASSESSMENTS. I THEREFORE REQUESTED HIM TO TRANSMIT TO YOU BY CABLE, AT ONCE, THE £4,500. INTACT.

PAYMENT FOR SUPPLIES ORDERED BY ENGLISH COMPANIES. I AM ARRANGING FOR THIS ON A DIFFERENT FOOTING. IT HAS, THUS FAR, BEEN ALLOWED TO DRIFT IN AN AWKWARD MANNER, BY REQUESTING DREXEL, MORGAN & CO., TO PAY ON ACCOUNT OF THE COMPANY. I HAVE ASKED DREXELS TO FORWARD THEIR ACCOUNT FOR PAYMENTS THUS FAR MADE, AND I WILL, AT THE NEXT BOARD MEETING, ARRANGE THAT PAYMENTS SHALL BE MADE IN A MORE DIRECT MANNER. I WANT THIS SATISFACTORILY ADJUSTED, SO THAT YOU MAY NOT BE OUT OF YOUR MONEY ANY LONGER THAN IS ABSOLUTELY NECESSARY. I PRESUME THAT YOU WILL EXPECT CERTAIN PAYMENTS ON ACCOUNT OF THE LARGE ORDER JUST TRANSMITTED TO YOU, BEFORE YOU ARE ABLE TO SHIP ANY OF THE GOODS. YOU SHOULD WRITE ME PROMPTLY IN ANTICIPATION OF THIS, AND SAY WHAT YOU WILL REQUIRE, OR RATHER, HOW YOU WOULD PREFER TO HAVE IT ARRANGED. I TRUST YOU WILL ENDEAVOUR TO SO ARRANGE IT, THAT WHATEVER IS AGREED UPON IN THE START, MAY NOT HAVE TO BE DEPARTED FROM, AFTERWARDS. IT IS MUCH BETTER TO ANTICIPATE YOUR NEEDS THAN TO HAVE THEM UNEXPECTEDLY CROPPING UP IN THE FORM OF DEMANDS.

P R I C E S. A LARGE MANUFACTURING CONCERN HERE, INTERESTED IN THE ORGANIZATION OF OUR DISTRICT COMPANY FOR LANCASHIRE, HAVE TWO OF OUR DYNAMOS AT WORK IN THEIR ESTABLISHMENT, AND THE HEAD OF THE FIRM HAS ASSURED OUR PEOPLE THAT HE CAN MAKE THESE DYNAMOS FOR VERY MUCH LESS MONEY THAN YOU CHARGE. THIS HAS MADE IT SOMEWHAT DIFFICULT FOR ME TO GET YOU SO LARGE AN ORDER, BUT NOT TO SPIN OUT A LONG STORY, SUFFICE IT TO SAY, THAT I HAVE SUCCEEDED IN SPITE OF IT. THERE IS ONE THING, HOWEVER, THAT YOU MUST CONSIDER CAREFULLY, AND THAT IS - THE COST OF A LARGE DYNAMO. INVESTIGATION,

BOTH BY FRENCH AND ENGLISH MANUFACTURERS, FAILS UTTERLY TO DISCOVER HOW SO MUCH MONEY AS \$10,000 CAN BE DISPOSED OF IN THEIR CONSTRUCTION; BATCHELOR TELLS ME THAT FRENCH FIGURES PUT THE COST AT ABOUT \$6,000; PARTIES HERE ARE OF THE OPINION THAT THAT IS AMPLE. OF COURSE, BOTH BATCHELOR AND MYSELF HAVE USED THE ARGUMENTS WHICH WE KNOW YOU WOULD PUT FORTH AND, AS YOU WILL SEE BY OUR ORDERS, WE HAVE USED THEM TO GOOD PURPOSE, SO THAT YOU NEED NOT COME BACK ON US IN THIS RESPECT. I SIMPLY MENTION THAT MATTER, IN ORDER THAT YOU MAY GIVE IT CAREFUL CONSIDERATION.

WOULD IT NOT BE WISE TO ENCOURAGE ORDERS FOR THESE MACHINES FROM THIS SIDE, AS FAR AS POSSIBLE? ULTIMATELY, OF COURSE, THEY WILL BE MADE HERE, BUT MUCH WORK FOR YOUR ESTABLISHMENT MAY BE OBTAINED THERE THAT TIME, BY A CAREFUL ADJUSTMENT OF PRICES.

MY RETURN. I HAVE POSTPONED LEAVING ENGLAND FOR ONE MONTH LONGER, THAT IS TO SAY, UNTIL THE 15TH. JUNE. I HAVE DONE SO AT THE REQUEST OF THE BOARD WHO EXPRESS THEMSELVES AS UNWILLING, AS YET, TO ADMIT THAT THEY CAN DISPENSE WITH ME WITHOUT SERIOUS RISK. YOU CAN THEREFORE ALTER THE DATE OF MY DEPARTURE, AS GIVEN IN MY LAST LETTER TO YOU, AND ALLOW EVERY OTHER ITEM IN THAT LETTER TO STAND. I HOPE YOU HAVE SENT ME SOME ITEMS OF INTEREST FOR MY LECTURE. THE GREAT TELEPHONE TRIAL IN ENGLAND, SUPPLEMENTING THE ONE LATELY HAD IN SCOTLAND, COMES OFF TO-MORROW. I HAVE SUCCEEDED IN MAKING A TELEPHONE-PHONOGRAPH COMBINATION, BY MEANS OF WHICH YOU CAN TAKE A TRANSMITTER IN ONE HAND, AND A RECEIVER IN THE OTHER. LOCATE YOURSELF AT A GIVEN POINT, AND LOCATE THE PHONOGRAPH AT A DISTANT POINT. SPEAK INTO THE TRANSMITTER 40 OR 50 WORDS, THEN STOP AND LISTEN, AND PRESENTLY YOU WILL HEAR THESE SAME WORDS AS CLEARLY UTTERED IN YOUR OWN EAR, AND WITH VERY GREAT DISTINCTNESS AS PREVIOUSLY SPOKEN. THIS IS TO CORROBORATE THAT

PART OF YOUR PATENT WHICH AFFIRMS THAT "SOME PARTS OF MY INVENTION ARE INTERCHANGEABLE, EITHER FOR THE PURPOSE OF RECORDING OR TRANSMITTING" - OR WORDS TO THAT EFFECT, AND MY DEVICE MAY ANSWER THE CHARGE THAT YOU HAVE SOUGHT TO COMMIT A FRAUD BY INCLUDING IN ONE PATENT, TWO INVENTIONS.

I CAN THINK OF NO OTHER ITEM OF INTEREST AT PRESENT. I AM HAVING MADE, AND AM BRINGING OUT WITH ME, ABOUT \$2,000 WORTH OF ORNAMENTAL FIXTURES FOR OUR SHOP. I AM NOW QUITE WILLING TO INVEST ALL THE SPARE FUNDS THAT I CAN COMMAND IN ANYTHING PERTAINING TO THE SUPPLY FOR THE FUTURE. MY VIADUCT WORK HAS RIVETTED THE LAST LINK IN YOUR CHAIN. THERE IS NO LONGER THE FAINTEST SHADOW OF A DOUBT THAT YOUR NEW YORK STATION WILL BE AN ABSOLUTE AND COMPLETE SUCCESS. OUGHT NOT THIS FACT TO BE APPARENT TO SOME OF OUR MONIED FRIENDS IN NEW YORK? - AND OUGHT NOT YOU AND I TO BE ABLE TO PARTICIPATE, IN A SMALL WAY, IN THE PROFITS THAT WOULD ACCRUE TO ANY LONG-HEADED FINANCIER WHO WOULD AVAIL HIMSELF OF THIS KNOWLEDGE, AND OF THE PRESENT LOW PRICE OF AMERICAN LIGHT STOCK?

YOURS VERY TRULY,

A handwritten signature in cursive script, appearing to read "G. Johnson". The signature is written in dark ink and is positioned below the typed text. It features a prominent, sweeping underline that extends to the right.

New York Board of Fire Underwriters,

COMMITTEE ON POLICE AND ORIGIN OF FIRES.

BOREEL BUILDING,

Room 37.

No. 115 Broadway,

New York, April 27th 1862

J. D. Eaton Esq Vice Pres

Dear Sir

Prof. Norton and myself
will be at 65 Fifth Ave on Saturday
afternoon at 4 o'clock, to meet Mr. Edison
as per agreement made with him and
Mr. Eaton

Yours very truly
Chas. W. Anderson
Chairman



to May 11

New York May 10 1882

My dear Mr. Edison,
I have fifteen or twenty
copies of the Post-Dispatch
which are of no use to me. Would
you like to have them (of course I
mean, free of charge)? If so, will
you send them to my address
or to 65 E. 11th Ave.?

I hope you, Mr. Edison &
the little beauty (give her a kiss for
me) are quite well. When will the
electric railroad be running - I mean
a full train? And what is the best
train to take from New York on
a Sunday?

With kind regards yours faithfully
Albert Einstein

Form No. 1
THE WESTERN UNION TELEGRAPH COMPANY.
This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed to by the sender of the following message. Errors and omissions are not to be held back in the sending station for comparison, and the company will not hold itself liable for errors or delays in the sending of the message. This is an UNRECORDED MESSAGE, and is delivered by request of the sender, under the conditions named above.
THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
4	C. E.	W. S.	25 Paid

Received at MT. 154 Ave May 12 1882.

Said New York
To J. A. Edison

Mulo Park n.Y.
If you are in the City today
will you if possible call at the Fifth Ave.
Hotel.
Benj. S. Butler
The Hotel will not leave until evening
Huntington

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been accepted by the sender of the following message.
The Company will not be held liable for errors or omissions in transmission or delivery of telegrams.
The message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions stated above.

A. H. BRETHER, Secy.

NORVIN GREEN, President.

Dated New York 12 188

Received at N.Y.

To J. A. Edison

Minlo Park

Albany Bill ordered to
this reading in Senate

W. H. Hamington

Wm & Paid 4 Pm
2

READ THE NOTICE AT THE TOP.

114
May 12. 82
Harrington
Dear Mother
I received your letter
of the 10th and was
glad to hear from
you. I am well and
hope these few lines
will find you the same.
I have not much news
to write at present.
I am, dear Mother,
your affectionate son,
John Harrington

SEND THE WORDS

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
3	R. J. W. S.		8 Paid
Received at	N.Y. 345 P.M.		May 13 th 1882.
Dated	New York		
To	Mr. A. Edison World Park		
	Afraid cannot come tomorrow will try next Sunday		
	H. H. Hultgen		

Machinists' Tools
AND
MACHINERY
OF EVERY DESCRIPTION.
-LATEST-
Cold Rolled Shafting,
Couplings, Pulleys,
SELF-OILING RANGERS
Tanto Emery Wheels & Much 'y.

Belling, & Co.

P. O. Box 1118.

Established 1855.

OFFICE OF

The George Place Machinery Company,

121 CHAMBERS & 103 READE STREETS,

New York, May 13 1887

Mr Saml Inceall
Windsor Park N.Y.

Dear Sir, will you not kindly see
that our account for that letter &
the interest on the notes is settled soon
you know it has been standing open now
a good many months, and Mr Edison
gives a 3 or 4 ones note for it if it is
inconvenient to pay the cash, if you will
give this your attention I will esteem it
a favor.

Yours truly
H. M. Linn

I when you are next in N.Y. please call
on me I would like to see you about a
certain matter

patents

37

May 16. 82

Patents

Patent Bill

Washington D.C. 5:16. 82.
My Dear Prof. Edison,

I enclose a London letter to the Iron Age which may interest you. Also the debate in the House yesterday over the passage of a bill to rape Patentees.

I wish you would write me a letter giving me your opinion on the Bill in such a manner that I can use it.

I think it can be beat in the Senate Course.

Yours truly
W. H. Wainman

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13.4
Received

Madame Clarumont begs to
inform Mr. E. A. Edison
that she has assumed
the management of
The Lequet House
72, 5th Ave.
and would be pleased
to receive his patronage
Madame Clarumont further
states, that she can now
offer Mr. Edison a fine
suite of apartments
and a first class table.

May 16, '82

A. S. Keith,

Expert in the Generation and
Applications of Electricity.
Attention given to Patent Cases.

ELECTRICIAN.

41 Liberty St.
New York, May 16th 1882

Dear Sir:

As I wish to see you further
about my base bullion desilverizing process,
and so will take the 11th train for
Meulo Park tomorrow, the 17th inst.

All this is provided that you to be
seen there. Please, therefore, oblige me
by telegraphing to me if you are not to
be in Meulo Park at the time, so that
I may not make an unnecessary journey.

Yours, resp'y

A. S. Keith.

Thomas A. Edison Esq.

Meulo Park

N. Y.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

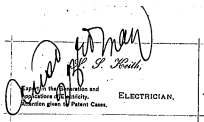
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This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
2	W. W.	W. S.	4 Paid
Received at	N. Y. 2:50 P. M.		May 17 th 1882.
Dated	New York		
To	Samuel S. Small		
	New York N. Y.		
	Many thanks for arrangements -		
	Frank McLaughlin		



V L n . . V V
V c y

Dear Sir:

New York, May 15th 1882

I send to you to-day by express, prepaid, about two quarts of my lead electrolyte; two brass bellon anodes containing about 140 ounces of bellon to the ton; four brass cathodes; and muslin bags for the anodes. I also send a pound of acetate of soda, and some sulphate of lead, so that you may, if you desire, make some solution for yourself.

The formula is this: Water 5 pounds; Acetate of Soda 1 pound and as much sulphate of lead as will dissolve in the solution at say 55° to 60° Fahrenheit. You may find a little difference in the color of the two solutions, but that will be due to age, and the fact of my using crude acetate in the large way for cheapness.

The solution should be neutral to litmus paper; and should be run and tested at a temperature of about 100° to 110° Fahr., as that is the temperature I use practically for uniformity during the seasons of the year. At the time of testing good circulation should be kept up, as I do in practice.

Low electromotive force should be used and no measurements for practical information be made until after the cathodes are well covered with lead.

I find on referring back that I can claim the invention of many of the features of the so-called Faure battery in 1877 and 1878, and am preparing to do so. Do you want to take a hand with me in it? Yours, resp.,
S. P. Keith.

Thos. A. Edison Eng. Muhl Park N. Y.

37

May 19, 1882

Sully

New York, May 19, 1882

Dear Sir

I inquired, as you requested at a place on Broadway near Colburn about the price of monkeys, and was told that those usually kept for pits, viz: small "ring-tailed" monkeys cost usually about \$18.00 apiece. There is a smaller kind which cost 6 or 8 dollars, but the former are the preferred variety. The owner said

he didn't know of
any particularly good
ones in the market
at present, and that
it would be better
to wait two or three
weeks, until the
weather gets warmer,
when they begin to
ship more of them
to this country.

Mr said it was always
better to get one in
summer, so that he
will get somewhat
acclimated before
cold weather comes
on.

Mr also assumed me
that no one ever bought

a pair of them, as one
was usually considered
enough for a single
household.

If you need any
further information,
I shall be glad to
look it up for you.

Yours truly
W. W. Bailey

Thos. A. Edison Esq
Menlo Park, N. J.

ESTABLISHED 1875.

Machinists Tools
and
Machinery
of every description.
Cabinet and Tailor
Cadd, Rotted, Sheeting,
Adjustable, Carding, Sulphur,
Self-Cleaning, Sewing
Leather & Rubber, Binding &c
Tomato Canning, Whisks
and Machinery.

Office of **George Place**
Stationer, to George Place & Co.
121 Chambers & 103 Rector Streets.
P. O. BOX 4199.

New York 19 May 1882

J. A. Edison Esq
Mculo Park N.J.

Dear Sir -

Yours 18th
just received
our Melvior
is out of town
to-day. will return
this evening, or tomorrow
and will call

on you either
tomorrow or
Monday -

Very Respectfully
George Place
121 GEORGE PLACE MACHINERY COMPANY

Machinists' Tools
AND
MACHINERY
OF EVERY DESCRIPTION.
—FACTS—
Cold Rolled Shafting,
Couplings, Pulleys,
SELF OILING RANGERS
Tantle Emery Wheels & Hacks.

Beltmg, &c.

P. O. Box 1140.

Established 1855.

OFFICE OF

The George Place Machinery Company,

121 CHAMBERS & 103 READE STREETS,

New York, *May 21 1882*

W. J. O'Brien

W. J. O'Brien

Dear Sir

I will do myself the pleasure
of calling on you on Monday morning
at 10.30 a'clock and will
give you particulars of tools specified
in your of 18th

Yours truly

W. J. O'Brien

37

RECEIVED
APR 23 1882
ANSWERED

May 20
Dumelle & Son

FILE No. 183
to Mr. A. Edison
May 20, 1882

Mr. J. A. Edison

Your
goods have been shipped
as ordered and as your
today expressed a desire
for a fifth and a few of
we will send you the
latest quotations on
said instruments the
first of the month

Respect.
Dumelle & Son

Form 41.

MUTUAL UNION TELEGRAPH CO.,

EXECUTIVE OFFICE, 41 PINE STREET, NEW YORK.

New York, May 20, 1882

My dear Edison

This will introduce
my friend Mr Geo Washington
Ed & prop of the "Electrical
Telephone Electrical Journal"
who desires your personal
acquaintance

Very truly yours
D. A. Dumelle

Prof J. A. Edison

57 Holborn Viaduct
London E.C.
May 21 1882

Samuel Insull Esq
65 Fifth Avenue
New York
My Dear Insull

I have no letters before me from you to reply to, but I will give you a little of what is going on here. First. We have lost the Telephone case thru the wretched manner in which the Patent was drawn. It is sustained however as against the microphone so that all we now have to do is to disclaim the Phonograph and appeal the case when we will get a decision which will enable us to hold ^{the} transmitter as against all other forms of tension regulators whether they be microphones or what not. This was the work of Hisbands Edward & C. I will speak more fully of this in my letter to Edison

Crystal Palace closes on the 3rd of June:

The negotiations The indications are that we will receive the highest Award possible for the Jery to give Swan however will no doubt receive an Award for the most economical Lamp. I am privately informed that his Lamps are now of a very superior quality both as to life and economy. I have had some of the ~~or~~ parchmentised thread which he uses and find I cannot break it with my hands. It is so tough. He is certainly doing very good work. The others are nowhere

Our Low Manchester Company is practically formed and the Contracts will probably be signed tomorrow. We are also bringing out two Companies for two Districts of London. One of them is being brought

(informal)
New

out under the auspices of Sir John Lubbock, Lord Anson and some others of our own immediate concern. You and will also bring out this week his Colonial Company. Arthur Anderson and numerous others in a position to know the condition of the public mind assure us that these Companies are eagerly awaited and that they will go like wildfire. I have arranged with Pachelar and White a little pool in which they pay the money and the three of us go in for a few shares in each Company. The Brush Companies have been brought out in quick succession and have gone at enormous premiums. It was go half as well I shall make some money. I have also made a little pool with Lord Anson Mr Bouverie and Mr White to buy 30 shares in the Parent Company of America. They want these shares for the legitimate purpose of holding them until Edison is in full operation in New York. They pay up the money and share with me the profits. I have called you to buy 20 shares now and will call you to buy the other 10 if you are able to secure these 20 within the figures I have named. I am very sorry that I was not kept posted with the price of this American Stock as if I had known it had gone below 300 I should have made a pool to buy at least 50 shares. I want you to do the very best you can in this matter and I will make it all satisfactory with you. I have written to Bergman telling him what I am at and asking him to do whatever may be in his power to assist you in getting hold of these shares. Please confer with him. This is all for the present.

The Parliamentary Committee is still sitting and I am to go before them tomorrow. The other Companies get a little jealous of me and insisted on putting in

some of the witnesses so that Bramwell, Siemens and
Spottswoode have been examined. Their testimony is
however to my mind very weak I shall disagree with
them most emphatically on some points. The Chairman
of the Committee has intimated to our Council that they
think we have put in enough testimony but our own
people are exceedingly desirous that I should be
examined so it is proposed tomorrow to insist on this
and as the Committee are very liberally despised
I think there is little doubt that I will be examined.
I am then practically through my work in England
and I shall take some little holiday probably visiting
Paris and Ireland leaving here on the Alaska on
the 17th of June for New York. Good bye

Very truly yours,

E. J. P. Weston

I was before the Com. today
Tuesday & gave them a
little reliable information
on E. J. P. Weston's part as
usual on Cross Examination

E. J. P.

Manchester agreement
Signed & Book paid down
Obliged to be gain -
No others as yet.



Ch. St. - New.

The American Electric Light Co.

MAY 23 1888
REGISTERED
NEW YORK

TRUSTEES
Elisha W. Andrews, FILE NO. 100,000
Thomas C. Platt,
William Madison,
H. R. Garden,
Henry E. Robbins,
Frederick D. Grant,
William Richardson,
S. F. Moriarty,
Elisha W. Andrews,
Schenck,
William Richardson,
Frederick D. Grant,
S. F. Moriarty.

New York May 22^d 1888

Prof. Thos. A. Edison

D-1-2

I returned from the South this morning find your post of the 16.th & in reply will say that I have indistinct recollections of something you refer to, but it is so long ago that it has passed from my mind - perhaps a personal interview might bring the matter to mind again if you desire it. I will see you at a time you may appoint that will be convenient for us to meet.

Yrs. Truly
Elisha W. Andrews

A. S. Keith,
Expert in the Generation and
Applications of Electricity.
Attention given to Patent Cases.
ELECTRICIAN.

0

RECEIVED
MAY 23 1882
ANSWERED

231
FILE NO.
41 Liberty St.

New York, May 22 1882

Dear Sir:

Accidentally I found out to-day
that my assistant drew the solution
which I sent to you the other day
from the vats into a pail which had
been used for an alkali.

Therefore it may have an alkaline
reaction, when it should be neutral.
If it be alkaline it should be made
neutral by addition of Sulphuric acid before
testing.

Yours, resp'y
A. S. Keith,

J. A. Edison Esq.
Menlo Park N. J.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed to by the sender of the following message. Sender can be relieved of such liability only by depositing a message here in the sending station for collection, and the company will not hold itself liable for errors or delays in transmission or delivery of Enciphered Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an **ENCIPHERED MESSAGE**, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
5	MRS. W.S.	8 Paid	
Received at <i>M.N. 346 P.M.</i>		<i>May 25 1882</i>	
Dated <i>New York</i>			
To <i>Hon. D. A. Edgewood</i>			
<i>Meudo Park</i>			
<i>Will you be home this</i>			
<i>tomorrow afternoon</i>			
<i>At Washington</i>			
<i>Answered to</i>			
<i>will be home Monday</i>			
<i>Answered</i>			

THE WESTERN UNION TELEGRAPH COMPANY.

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This is an **ENCIPHERED MESSAGE**, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
2	R.P. W.S.	9 Paid	
Received at <i>M.N. 5:05 P.M.</i>		<i>May 26th 1882</i>	
Dated <i>Poughkeepsie, N.Y.</i>			
To <i>Thomas Edgewood</i>			
<i>Meudo Park N.Y.</i>			
<i>Bill passed senate with our</i>			
<i>Amendments - Invitation to give -</i>			
<i>William Z. Kelly</i>			

2. Bank Buildings, Queen's Street.
London. E.C. May 26. 1882

Friend

your Mr. Johnson

Sorry you cannot join
our party tonight. We shall be glad
to see you again shortly. Mr.
Preece said he wd dine tonight
& I wrote to you hoping you wd
come too, & he asked a few
others on Bank notice.

Many thanks for your interest
in the matter between Mr. Johnson
& myself. Certainly if any one
deserves consideration in this
world I do from him, & he
relies on his good fortune & did
a few days in the line of his
interest, & now that he has progressed
so wonderfully

I have not even been approached
with any opportunity of dealing
at least some compensation
for all the work ^{done} of course
I quite appreciate that this
does not come under your
obligation what it is very
kind of you to move as you have
done in it. My idea is that
he will still see the matter
in its right light, and do that
through you which will cover
past obligations.

I read Mr. Johnson's evidence with
much interest - The reason I do
not go that day as yet we were
were concerned largely in an evening
I have heard one or two on that
day - It was satisfactory for 7 times
over, but I had to be on hand & rather
hard, he has I think made up a fair
amount of his report as to the matter.

Alfred

WOB

5-27-82

My Dear Sir

The ~~com~~ director of
Mills says he declined to authorize
the purchase of Maxim Plant - till
it had been thoroughly tested -

That they sent in gas bills after it was
up about usual size & he called for
explanation & was told it was not
working satisfactory & he has not
heard of any report by Parker but
has today written to Supr at Phila for
any more information he may have
I will send you copy of the report
when it comes -

What a big hit E.K.G. is making

Handwritten notes in Urdu script on lined paper. The text is written in a cursive style and appears to be a list or a set of instructions. The handwriting is somewhat faded and difficult to read in some places. The notes are organized into several lines, with some lines containing multiple entries or points. The overall appearance is that of a handwritten document or a set of notes.

in Europe-

Hubbard is here now & says no american ever went over there with american things who has so thoroughly attached himself with pro Bull ²⁰ E.K. - or who has ever been so successful. In short the English are "marked" on you & by -

When will I get my de-rated stock?

The plant here is going OK now! I expect to get several orders by the end am working up several permits.

Can the current used on "arc lights" from other generators be used for your lamps?

John L. Starnes

H. P. Keith,
Expert in the Construction and
Applications of Electricity,
Attention given to Patent Cases. ELECTRICIAN.

RECEIVED
MAY 31 1882
REGISTERED
FILE No. 1881
New York, May 29 1882

My dear friend Edison:

I am making preparations
to go over to Munko Park to stay
with you.

You can save yourself the infliction
by sending that little certificate.

I know this prospect will fetch
you no matter how busy.

Yours, respic,

H. P. Keith

P.S. Any information I can give you
in the arc line is freely at your
service. *K*

Handwritten notes in a cursive script, possibly a shorthand or a specific dialect. The text is organized into several columns and rows, with some lines underlined. The handwriting is dense and somewhat difficult to decipher due to the cursive style and the grainy quality of the scan. The notes appear to be organized into sections, possibly corresponding to different parts of a document or a list of items.

THOMAS A. EDISON,

NO. 65 FIFTH AVENUE,

NEW YORK,

188

W. H. Keith - 41 Liberty

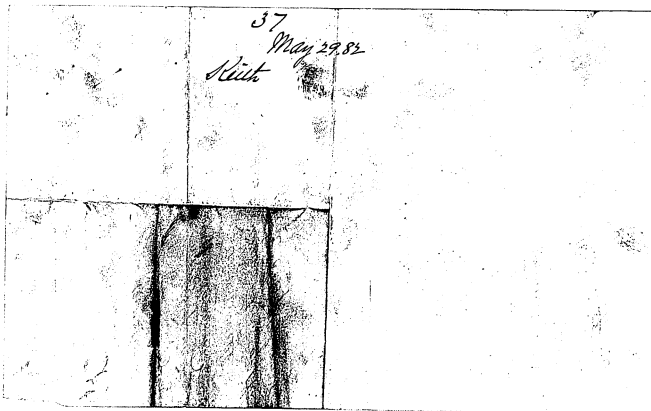
Dear Sir:

I have investigated thoroughly the principles involved in your process of refining Dr. Deulberg's Base Bullion and can freely say that it is based upon correct scientific principles and will effect the ~~complete~~ separation of the metals of base bullion cheaply and effectually.

My opinion is, assuming the proper conditions upon which success depends, that twenty-five horse power applied to one of my dynamo electric machines will effect the electrolytic separation and desilverization of twelve tons of base bullion per day of twenty-four hours.

In my work and with coal at \$4.50 per ton I have found that the cost of one horse power per year of 24 hours per day, is \$100, when produced on the scale of 25 to 50 horse power.

[ATTACHMENT]



Machinists' Tools
AND
MACHINERY

OF EVERY DESCRIPTION.
—SIZES—
Cold Rolled Shafting;
Couplings, Pulleys,
SELF POLING RANGERS
Tanto Emery Wheels & Knives.

Beltting, &c.

P. O. Box 1118

Established 1855.

OFFICE OF

RECEIVED
MAY 29 1882
THE George Place
Machinery Company,

37.....121 CHAMBERS & 103 READE STREETS,

New York, May 29 1882

Dear Sir

Many thanks for the
check for the open account.
I saw Miss Repton &
Bradley on Saturday morning &
gave them all the details of the policy
they wanted & I also stated to Miss
Repton that we would not sell the
engine you have for sale at present for you
& guarantee to set you \$1000 in book case
then when sold & that we guarantee to
sell it before the payment for the policy
comes due or not sold at that time
you can deduct it from the amount due
us; The Repton said we should in all probability
receive the order this morning, but as you it
has not come, presume it will be here to
morrow at least I hope so.

Yours faithfully
J. M. Linn

37

RECEIVED

INTERNATIONAL EXHIBITION OF ELECTRICITY

ANSWERED - 1882

Becker

OFFICE OF THE UNITED STATES COMMISSION

FILE No. Rue de Mâgignan, 9

Philadelphia ~~May 30th~~ *May 30th 1882*

My dear Edison:-

Your letter of the 9th was duly received. I believe you have done wisely in going back to Menlo Park; at least for the summer. The worry and annoyance of your life in New York was telling on your health and strength.

I am much obliged for what you have done for me in the matter of the Congressional appropriation. I hear the matter comes up in connection with the Currency and Civil Bill which the Committee are to con-

aid in this present week, I have brought all the influence to bear on the different members of the Committee that I could control and I hope it may go through; though I am afraid it will hang fire in the House.

Major Eaton writes me that he has sent a check for \$500 to Prof. Mendenhall as a retainer. Prof. M. has also written me that the carbon buttons came safely & were received just as he had broken the only one he had. You will be interested I think in his paper.

The Houghton Farm people wrote me and I referred them to Daniel Draper, who is the Director of the Central Park Meteorological Observatory & who has worked at all these things. The best thing for them undoubtedly, is Bequerel's thermo-electric differential thermometer.

That is the only thing I know which will do what they want.

Upon my return from N. Y. on the 14th, I found here a partial card from Pres. Barnard of Columbia College as follows: I should like to know what progress you are making with the School of Electrical Engineering? Mr. Ince told me when last I saw him that he would send me this next day; the rough draft of a letter you proposed to write to the Trustees of Columbia College urging upon them the importance of organizing a school of Electrical Science. Popoke with Mr. Lowrey about it and he thought it an excellent idea. But I have not yet seen the letter. Mr. Lowrey, Dr. Draper & Prof. Chandler all will do every thing they can to help the matter.

along. I am quite anxious
that something should be done
before Mr. Dowrey goes to Europe.
I expect to come over to New York
on Thursday to remain until Mon-
day. Would it not be possible for
you to meet those gentlemen here
at Dr. Draper's for a conference
on this matter while I am in
New York. Everything seems ripe
now for starting the movement.

Dr. Draper is very much pleas-
ed with the elegant way in
which you fitted up his labora-
tory. I think however he will
have to have a 110 volt armature.

I am writing under a Blamp
at my house run from a secondary
battery at the University 4 squares
away, the current coming up on my
telegraphic wire. The battery works well.

When do you start the New York
plant? Cordially yours
George F. Barker.

[FROM WILLIAM H. KELLY]

AMERICAN TELEGRAPH AND TELEPHONE COMPANY

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been approved by the Federal Communications Commission.

A. B. BREWER, Secy.

NEW YORK, N. Y.

3

Dated New York 7/15

Received at Depot

No. Silvanus

FILE NO. 29

READ THE NOTICE AT THE TOP.

Bill with Senate Amendment
repassed by assembly
Second telegraph bill
with our Amendment
passed again by
assembly
W. H. Kelly
18 Collier
route E 10 20 am

OFFICE OF
D. B. Dunham,
CARRIAGE BUILDER,
AND DEALER IN
CARRIAGE MATERIALS.
P. O. BOX 90.

Rahway, N. J., May 31, 1882

Mr. T. A. Edman
Dear Sir

Your of 29th just at hand in reply
have to say, we found the body of Phaeton badly
cracked in paint. which could not be covered without
striking so badly in a short time. And as your in-
structions were to overhaul paint and in good order
we thought it necessary to remove the paint off &
paint it from the wood, to make a thorough good
job. And told the man who brought it that it would
require about 4 weeks to do it. It is now going
along in the paint. And will get it through as
soon as possible. but it will require ^{between} ~~about~~
~~two~~ three weeks yet to make a thorough job of painting
I am sorry to disappoint Mrs. Edman. I have not as
desired heard Phaeton or would leave it to her
I have a great hand of my buggy would coun-
sel if that would answer.

Yours truly

D. B. Dunham



87 June 1.82
Acade

New York, June 1, 1882

Dear Mr Edison,

The original parcel
Luminous Paint, Sam-
ples sent here by Mr
Henry are in a box
at 65 5th Ave,

Hamilton has
properly declines to
give them to me as they
were left there by
Russell for you.

Will you please

sent for them
I will write on other
matters from Montreal
press very true
Hearle

Edison
Hunt Park

Form 1.

PRIVATE TELEGRAPH

No. _____

TIME _____ M.

Spencer Trask & Co.,

Bankers & Brokers,

70 Broadway, New York City.

—BRANCH OFFICES—

Connected by private wires.

Philadelphia,
132 South Third St.,
C. F. Foy.

Saratoga,
Grand Union.

Albany, N. Y.,
Maiden Lane,
W. A. GRAVES.

From _____

Albany June 1
To Cook

Send this to Saml
Insell 65 Fifth
Ave -

In reply to yours
of May 29th - Re Bill
is now in hands of
assembly committee
Legislature adjourns
tomorrow sine-die
no probability of
passage would incur

1883-06-01

Form 1.

PRIVATE TELEGRAPH

No. _____

TIME _____ M.

Spencer Trask & Co.,

Bankers & Brokers,

70 Broadway, New York City.

—BRANCH OFFICES—

Connected by private wires.

Philadelphia,
132 South Third St.,
C. F. Foy.

Saratoga,
Grand Union.

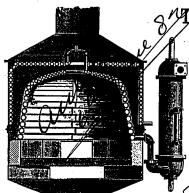
Albany, N. Y.,
Maiden Lane,
W. A. GRAVES.

From _____

Albany June 1

To _____

Yesterday but I was
out of town.
Waly



DOUBLE COIL BOILER.

THE HERRESHOFF MANUFACTURING CO.,

BRISTOL, RHODE ISLAND, U. S. A.

SOLE MANUFACTURERS OF THE

HERRESHOFF PATENT SAFETY COIL BOILER.

Builders of Steam Vessels and Engines.

Bristol, R. I. June 1st 1882

My
Messrs. A. Edison Esq
Mend Park St. J.
Sir

We are informed
by Mr W. S. Perry, that you might like
to have us build you a Steam yacht.
We would be pleased to build you one.
our favorite size are from 75 ft to 125 ft long,
costing from \$18,000 to \$50,000 complete
for use. We are building several to
order and would be pleased to have you
visit our works and see them, also a new
type of "Electric Steam Engine", which we have
run over 2,100 revolutions per minute.

Our new "Safety Coil Boiler" will also be of interest
to you, all our Steam yachts are fitted
with them and our "Compound Condensing
Engines."

Respectfully
J. Herreshoff Mfg Co

Recd June 6
June 2nd

Office of WOERISHOFFER & CO.,

No. 54 Exchange Place,

New York June 2nd 1882

P. O. Box 3105.

Dear Edison,

If you will promptly cooperate with me, I can get the R.R. Secor including the Penna R.R. to adopt a Secondary battery for the cars etc.

They propose to adopt it & it is only a question of who they will till Edison, Hauri & Brush.

I have stated you outstated them -

Can you construct one under your patent equal to superior to either Brush or Hauri -

This for the moment must be confidential & the R.R. name must not be mentioned. I expected to come out to see you this P.M., but cannot possibly do it. Let me hear

I can give you every thing you want

37

June 2.82

Philiz

Victoria Hotel,

N. Y., June 2.

Dear Mr. Edwin,

I am very sorry I have
been unable as yet to come out.
I think I'd better just telegraph
you the morning when I want
to come as I am perfectly over-
whelmed with business. How is
the road running? Is it a
full train?

Can you drop me a line
when you will be in N. Y. & where
I could see you the spare time?
Perhaps you can give me all the in-
formation here. I enclose you a
little story of mine which may
amuse you. Please answer my
letters especially if it is not too
much trouble. With kind regards

to little Edison and a kiss to the
little party does she still dance
as prettily as she did here? — al-
ways yours sincerely
Albert Pulitzer

*Ans'd
5th July 90*

THE GERMANIA INSURANCE COMPANY,

NEWARK, N. J.

Agency at *Mozels Park, N.J. 4th June 30th 1882*
Friend Edison.

Dr. Sir

Since your order to have your
 Telegraphic Service done at the Depot, I find little to do but
 keep the books, R.R. Co. receiving the Commissions on all business
 done at their Office, at 50 per cent. H. H. Co. has been trying to
 have all the business they could have done outside this Office
 on account of this high percentage, (see enclosed letter)

I mentioned to Mr. Russell some time since, if my office hours
 were not satisfactory to let me know and I would arrange to
 to make them satisfactory. He informed me they were satisfactory

Have tried to run this Office to your interests, and am
 confident I have done so.

Now that I have to keep Phillips accounts & the R.R. Co. again
 the pay, I feel like sending in my resignation - yet I do not
 wish to take this step without informing you. As you was
 kind enough to get the Office for me - (you will remember I got
 at Depot rented for me month for doing your business, & H.H. Dept. wanted this
 Office removed from Depot. (Kandolph or Curran will remember)

Even now if it is your wish for me to obtain the management
 of H.H. I will do so. Thanking you for past favors I remain

*P.S. Phillips has been working some time
 to get 20% & suppose he will not be
 satisfied until he gets 25% office
 which he tried once before.*

Yours truly
 Huxley

<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>
<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>
<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>
<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>	<p>1000</p> <p>1000</p>

THE BILLYWAG COMPANY

37
 June 8, 82
 Johnson

27-2-1882

Washington D. C. 6.4.82

My Dear Edison,

The Supt. of the Mint at Philadelphia, has not yet replied to the letter of the Director of the Mint here. The Director thinks that the Supt. is away from his office & his subordinates do not like to take the responsibility of admitting the failure to transmit the report. I will not let up, on it until I get it some way or other.

I think we can kill the House Resolution, to aid patent infringers.

Yours truly
W. Painter
Act.

Princeton N. J.
June 5 82
Dear Sir -
I have been very busy with the mounting of the new tele. co. and it is only today that I tried the machine (E) with the new 1/4 inch pulley - It comes up gear & works nicely. I think I shall have no more trouble with it -
Yours as usual
W. Sawyer

Office of WOERISHOFFER & CO.,

No. 54 Exchange Place,

New York

1882

P. O. Box 3105.

My dear Isaac

Did you come
back here me
Saturday?

I am sorry to
have missed you.

Has it a E any reply
In my second day
Battery business?

Y^r J. Reiff

E. HEARLE.

Montreal, 6 June 1882

Dear Mr. Edisard,

I wrote you a hurried note from New York before leaving, as I had just ascertained that the samples Luminous Paint were at 65 °C. in same condition as received from England. I think there is a great future in the magnetic iron sand business, & shall wait anxiously result of your experiments, especially as suggested, the mechanical mixture with ordinary Pig as it runs from anode & subsequent puddling. This should produce a very fine quality of wrought iron, & if the laboratory experiment is successful, I will give the funds to put up a sufficiently large furnace to test it on a business footing.

I am well aware how much you

E. HEARLE.

Montreal, 188

time is taken up with more important matters, but at same time thinks this of sufficient interest, both for owners of properties & "Ore Milling Co." to warrant experiment, & should be glad to hear from you in regard to it, or will go down to Meulo Park on receipt of the plan.

His Trustees & myself are now sole owners of the Noisic deposit, & should a company be formed to work the Ironsands, would be willing to take all value in shares of the Co. In these enterprises it is a great advantage, not to require any cash for purchase of property.

I trust you will not forget our conversation in relation to "light" matters for Canada & that I may soon have instructions from your Board to go ahead.

Yours very truly
E. Hearle

J. A. Edison Esq.

Washington D.C. 6.6th 1885.

My Dear Edison.

The Director of the Mint called on the Sup't at Philada, asking him to report ^{and} send him any information that he had on the Elec. Light.

On his return yesterday he writes the Director that he is not yet prepared to report.

I enclose Mr. Burchards letter. I will find some other way to get Barkers report out of him.

Yours truly,
W. K. Paton,
Asst.

Treasury Department,

BUREAU OF THE MINT,

Washington, D. C., June 6, 1882.

Dear Sir:-

Mr. Snowden reports that he has had the matter concerning the electric light in the Mint under investigation for several weeks, but is not yet prepared to make a report upon the subject.

Very respectfully,

Horatio C. Burchard

Director

W. H. Paulson, Esq.

#907 14th St.

Washington, D. C.

Machinists' Tools
AND
MACHINERY
OF EVERY DESCRIPTION.

—FABRIC—
Cold Rolled Shafting,
Couplings, Pulleys,
SELF OILING HANGERS
Tannic Emery Wheels & Mach'y.

Belting, &c.

P. O. Box 1110.

Established 1855.

OFFICE OF

The George Place Machinery Company,

121 CHAMBERS & 403 READE STREETS,

New York, June 6 1882

Mr. Paul Small
Windsor Park N.Y.

My dear Sir Will you kindly show
the bearing the 16 x 24" Engine
the old lamp stop & much oblige

Yours truly
W. M. Linn.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which shall be printed on the reverse of the following message. In the sending station for comparison, and the Company will not hold itself liable for errors or omissions in transmission or delivery of messages.

This message is an UNRECORDED MESSAGE and is delivered by request of the sender, under the conditions stated above.

A. E. WILSON, Secy.

NORMAN GREEN, President.

1 Dated New York City 188 2

Received at Mule Park Depot

To Samuel Insull

Will be at mule at
quarter past Twelve
o'clock today to see about
shipping engine
H M Linn

Wm 15 Paid
E 9 W am

READ THE NOTICE AT THE TOP.

Machinists' Tools
AND
MACHINERY
OF EVERY DESCRIPTION.
—LATEST—
Cold Rolled Shafting,
Couplings, Pulleys,
SELF OILING HANGERS
Tanto Emery Wheels & Mach'y.

Belling, & Co.
P. O. Box #110.

Established 1856.

OFFICE OF

Mott
The George Place
Machinery Company,

121 CHAMBERS & 103 RENDE STREETS,
Carroll

New York, June 8, 1883

Mr Sam Small
Winds Park N.Y.

Dear Sir
Please put a tag on the different
pieces of Engine & make a tag as
follows:

Thames Iron Works
Norwich Conn
all rail

be run & put the work ~~at hand~~ all
Rail on the tags & also take
receipt in same way as it is
important, it is also important that
the Engine should be shipped to arrive
on or at latest Saturday as the party who
bought it has a broken down engine &
contains a serious loss for every day
he is out running.

Yours with you be a very best
and might: John G. H. M. Lincoln

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which may be seen by the sender of the message. It does not assume any responsibility for retaining a message, or for its delivery, or for its non-delivery, or for its being delayed, or for its being received in error, or for its being received in any other manner than that intended by the sender, under the conditions stated above.

A. R. BREWSTER, Secy.

MORVIN GREEN, President.

Dated New York 11/2 1882

Menlo Park Depot

Received of

Dr. J. R. Edison

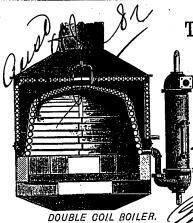
READ THE NOTICE AT THE TOP.

Have you shipped
Engine yet answer
quickly

The Gen. Place Indyc

Answer
June 12
1:45 pm

E 1:30 pm



THE HERRESHOFF MANUFACTURING CO.,

BRISTOL, RHODE ISLAND, U. S. A.

SOLE MANUFACTURERS OF THE

HERRESHOFF PATENT SAFETY COIL BOILER.

Builders of Steam Vessels and Engines.

Bristol, R. I. June 13th 1882

Wittat
Mr J. A. Edison

Sir

We have been building a fine yacht for Mr H. H. Warner of Rochester N. Y. he has given us liberty to invite you to accompany him and us in his yacht ^{Sista} out to the "Light Ship" to witness the N. Y. yacht club Regatta on Thursday 15th.

The "Sista" will stop off the Battery at 10 o'clock A. M. to take you and ~~other~~ Mr. ^{John} Perry on board, will you please ask him to accompany you?

Respectfully in haste
Herreshoff Mfg Co

Answered
15th June 1882

P.O. BOX 338

ADDRESS ALL COMMUNICATIONS TO
GEO. WORTHINGTON,
EDITOR & PROPRIETOR.

NEW YORK REVIEW
TELEGRAPH & TELEPHONE
121 WEST 40TH STREET
NEW YORK

23 PARK ROW
ROOMS 14 & 15.

New York, June 13 1882

Prof. Thos. A. Edison,
My dear Sir,

Would you kindly inform me if it is probable that you will be in the city this week. I would be exceedingly glad to meet you at my office or anywhere you may appoint, as I am all alone in this enterprise an dozen nights and day almost and cannot well get away but shall do so if you are not expected to come this way.

I am Sir,

Very Respectfully Yours,

Geo. Worthington

2
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2
1

UNEXCELLED FOR
GENERAL MANUFACTURING
AND UNSURPASSED AS A
STEAM FUEL.

R. H. Chipman
J. DeLafayette
John B. Pearl
R. H. Chipman & Co.

SHIPPING WHARVES
GREENWICH, PHILADELPHIA,
BALTIMORE, MD.,
SO. AMBOY, N.J.

PROPRIETORS, MINERS AND SHIPPERS OF

CONDENSE BITUMINOUS COAL

DEALERS IN

ANTHRACITE COAL OF ALL DESCRIPTIONS.

OFFICE, 65 LIBERTY STREET

TELEPHONE
MURRAY 133.

New York, June 13-1882

T. A. Edison Esq
Menlo Park N.J.
Dear Sir,

Since my return from Florida have not had the pleasure of seeing you much to my regret, but we have seen Mr. Dean & offered him some prices lower for forgings we understand them he was paying, but he was not I believe ready to purchase. One of my friends is also negotiating with your people in Pearl St on coal at my request, but my object in writing you was not to state these facts but more particularly to ask what has become of the Glue which was to make you wealthy from your voyage & your Florida friends from their stock? I also have an idea as that so seldom occurs to me I want to "give it away" & you being a chemist, seem to be a proper party & I think it will if it could be made to.

R. H. Chipman

J. DeLovalle

John B. Reed

UNEXCELLED FOR
GENERAL MANUFACTURING
AND INSURKED AS A
STEAM GENERATOR.

R. H. Chipman & Co.

SHIPPING WHARVES
GREENWICH, PHILDA
BALTIMORE, MD
50 ARMDY, N. J.

PROPRIETORS, MINERS AND SHIPPERS OF

CONDOR BURNING COAL

DEALERS IN

ANTHRACITE COAL OF ALL DESCRIPTIONS.

OFFICE, 93 LIBERTY STREET.

TELEPHONE
MURRAY 123.

New York 188

work beat the Glue Pomanga, it is
this, You are aware that by some
process they make artificial stone & I
believe it is not dear, You are probably
aware also that in Florida & other far
away places where they have no clay
they have to buy their brick & freight
them long distances making them expensive
but they have millions of tons of the best
of sand worth nothing, now do you
suppose any process could be found
that would produce a stone or brick from
sand and cheap enough to be of any
commercial value in places similarly
situated to Florida?

With best regards

Yours Respectfully
R. H. Chipman.

am wky on
the glue Roc bit
& think burnt shell lime
& sand would with little
Rosa Dale Cement make cheap stone.

(Anderson) Dean
got his forging
lower than you
price, he orders
immense quantity

6, Lombard Street, E.C.
London, 13th June 1882.

Thomas A. Edison Esq.
New Jersey.

Dear Edison,

¹⁰
¹¹ I
In reply to yours of 31st ult. I shall certainly have
great pleasure in writing you a really 'newsy' kind of letter.
This will be the more important to you now owing to Dr. Man's absence.
I have not troubled you with a great many letters recently because
I knew that Dr. Man was keeping you advised of all matters, and that
anything from me would only be needlessly occupying your time.
Always ready to give you every attention.

I Am,
Yours truly,
W. Thomson

2. Bank Buildings, Pinces Street.
London. June 14 1882
N.C.

Dear

Mr. W. Hanson

I want to have a few
minutes with you if more
convenient to you will go to
your Hotel any time today, but
I would be glad if you
come to lunch with me
at one o'clock - calling here.

Yours faithfully

W. H. Weston

Office of N. L. HUNTING,

45 EXCHANGE PLACE,

New York, 14th of June 1882

Dear Powell

I had a letter from Herreshoff this morning, in which he said he had invited Mr Edison to go out to-morrow in his new Steam yacht to see the race. I telegraphed to Mr E asking him if he could go? I have just received an answer saying he could not. I am sorry as I thought both of you would go, I may go as there is nothing doing here.

Edison 500 Fed offered 650
Isolated 80% premium Fed

Yours very truly
W. L. Perry

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed by the sender of the following message, transmission or delivery of Unrepeated Messages, beyond the amount of such payment, nor in any case where the claim is not presented in writing within sixty days after receipt of the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions stated above.

THOS. T. ROBERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	REMARKS	CHECK
10	H	E	12	Paid

Received at Menlo Park Depot

Dated New York 15

To J. A. Edison

Menlo Park N.J.

Don't see you Menlo Friday
or Saturday meaning which
with best best

J. B. A. David

6715 9/15/1882

595 Broadway
New York
June 16th 1882

Mr Thomas A. Edison
Sir

Would
you kindly inform me as to who
~~has~~ got the control of your Phonograph
for toys. Being a manufacturer of
toys, I should like to be interested
in it, if possible, and would therefore
be greatly obliged to you, if you would
give me the required information.

Yours very truly
Lee P. Burdige

Rosevelt has control

Machinists' Tools
AND
MACHINERY
OF EVERY DESCRIPTION.

—PATENT—
Cold Rolled Shafting,
Couplings, Pulleys,
SELF OILING HANGERS
Tanto Emery Wheels & Hoes'.

Beltting, &c.
P. O. Box 1119.

Established 1855.

OFFICE OF

The George Place Machinery Company,

121 CHAMBERS & 103 READE STREETS,

New York, June 16 1882

Samuel D. ...
Hudson Park N.J.

Dear Sir,

I enclose as cut of a fast running
engine which I cut out of a mechanical
paper, which might interest Mr. T. W. E.
do not know anything about it, but you can
write - get full particulars.

I heard the other day that my
friend Dr. ... had just got in a
shaping machine, or something of the sort
into the Green St Works, it is kind of rough
that I should not have an opportunity of
examining in any way that may be made
for the Edison at the Green St Shop
but I always heard that a person that was
under obligation to you (which he ^{is} was by my
lending him considerable money) would go back
on you at first opportunity, might you kindly
read the last part of this letter to Mr. E. ...

Machinists' Tools
AND
MACHINERY
OF EVERY DESCRIPTION.
—FACTS—
Cold Rolled Shafting,
Couplings, Pulleys,
SELF OILING HANGERS
Tangle Emery Wheels & Mach'y.

Beltin^g, & Co.

P. O. Box 1118.

Established 1855.

OFFICE OF

The George Place Machinery Company,

121 CHAMBERS & 103 READE STREETS,

New York, _____ 188

kind to favor us by instructing Mr. Dean to give us
an opportunity of making quotations, we will make
price on any goods at least as low as anybody
else in first class goods.

Yours friend
W. M. Liver

Have him say to you in N.Y. corner
in some day we will go down to the Beach.
for dinner.

THE WESTERN UNION TELEGRAPH COMPANY.

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This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK	
4	63	6	18 Paid	4:18 PM

Received at Menlo Park Depot 6/17 1882

Dated New York 6/17

To Prof S A Edison
Menlo Park N.J.

I will come out for few moments
tomorrow if I do not interfere
with any of your plans
George Washington

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. BOKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK	
12	12	E	10 Paid	

Received at Menlo Park Depot 6/17 1882

Dated New York 18

To Tom Edison

Please be at your office
at 3:30 pm this afternoon
O A Moses
3:30 PM

C. W. NIEDER,
25 WILLIAM STREET,
ROOM 15,
P. O. BOX 5427,
Cable Address, "Nieder."

New York, June 25 1882

Mr Edison
Menlo Park
N. J.

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Sir! A friend of mine Mr Esteban
Chief engineer of the Spanish Government of
Sardinia is at present on a visit here
is anxious to see Menlo Park, its laboratory
shops & model rooms if possible & to please
this friend I take the liberty to know if you
would permit such a visit & at what day my
friend could be allowed to call if admissible.

Thanking you in advance for a reply
begging you to dispose of my services

I remain
Yours Resp
C. W. Nieder

Y. V. 11 10 0
C. S. e. 2 - 17 20

TELEGRAPHIC

American Light

Washington, D.C., 21. 26. 82

J. M. Wallace

W. H. Chandler

Dear Sir,

I am going to New York tonight. Will be in at Reiff's during the day. Please send me word down here if I can see Edison by staying over for the evening. I would like to consult him about putting in a plant for 1000 lights right away at the Govt. Printing Office. I have just ordered the second dynamo.

I doubt if I can go out to Menlo on Monday. Cannot tell until I get over there and see some parties in the morning.

Very truly

W. H. Chandler

THOMAS A. EDISON,
MENLO PARK, N. J.

22nd June 1887

C. W. Nieder *copy*
P. O. Box 3427
New York



Dear Sir,
Referring to your
letter of 12th of 50th Mr. B. Gates
is quite welcome to
visit me whenever
he finds it convenient.
I may however say
that the place looks
newer than ever as all
our fine instruments
are in Europe having
been sent to the Electric
Exposition in Paris & later
to London.

Yours truly
Thos. A. Edison
T.

Machinists' Tools
AND
MACHINERY
OF EVERY DESCRIPTION.
—PATENT—
Cold Rolled Shafting,
Couplings, Pulleys,
SELF OILING RANGERS
Tanks Emery Wheels & Etc.,
BELTING, 50°.
P. O. Box 4499.

ESTABLISHED 1855.
OFFICE OF

The George Place
Machinery Agency,
121 CHAMBERS & 103 READE STS.,
New York, June 21 1887

Thos. A. Edison Esq
65 5th av
Dear Sir -
Your note for \$737.00
will be due June 29 - by
sending check to us in
time we will accommodate
you as far as possible
Respectfully
Yours
THE GEORGE PLACE MACHINERY COMPANY,

Travis

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed by the sender of the following message. Messages are printed and sent by means of a magnetic wire in the sending station for comparison, and the company will not hold itself liable for any error or omission in transmission or delivery of telegraphed messages, beyond the amount of toll paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message. This is a CONTRACT MESSAGE and is delivered by request of the sender, under the conditions stated above.

THOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
3	you	E	17 Collect
Received at		Mills Park Depot 6/24 1882	
Dated		Newyork 24	
To		Thos A Edison	
<p>Sam Matt has gone to Geneva in spite of your refusal insure sent to Don Pyatt by zone</p>			

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THOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
4	OTB	E	14 Collect
Received at		Mills Park Depot 6/24 1882	
Dated		Newyork 24	
To		T A Edison	
<p>Yes will be fixed all right. telegraph you this afternoon time to start C D Hamington</p>			

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been accepted by the sender of the following message. Senders are to personal and not to be construed as a contract. And the company will not be held liable for errors or delays in transmission or delivery of messages, or for any loss or damage, except the amount of value paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message. This is a **UNINSURED MESSAGE** and is delivered at the risk of the sender, under the conditions herein above.

THOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
8	Bel	E	13 Collect 5/15/88

Received at *Mails Post. Dept* *6/24* *1888*

Dated *New York* *24*

To *F A Edison*

*Shall I extend through you
an invitation to Major Eaton to*

go?

to J H Amington

E. ROSENZ.

T. MALONEY.

T. J. MALONEY.

Rosenz, Maloney & Co., Limited.

PHOENIX GLASS POT FACTORY, <

RINGS, FLATTENING AND FURNACE STONES,
CRUCIBLES, &c.

WORKS AT BRUNSTON, PA. OFFICE-850 PENN AVENUE.

*T. & T. J. MALONEY
SUCCESSORS*

Pittsburgh, *June 24* 188*2*

*Thomas A. Edison Corp.
Menlo Park N.J.
N.Y.*

Please find enclosed
a copy taken from our Pittsburgh Leader, and
I would you be kind as to let me if same is cor-
rect, as the party of whom I was speaking told me
as you can see by heading, that we put all
faith in him for an answer to this well
worthy oblige.

Yours Very Respectfully,
T. J. Maloney

The man you refer to
to called one day and
we ~~can~~ ~~never~~ ~~take~~ ~~the~~

[ENCLOSURE]

1832

Small black box containing illegible text, possibly a stamp or a small document fragment.

37 Port Haven
St Paul Co Mead
June 26, 1882

Dear Sir
I enclose in receipt of
3 valuable papers on
Christianity and Mechanism
and very kind J. H. Wood
is in receipt of a pamphlet
entitled the "Dear Light"
they are quite a treat

Please accept our thanks
hoping the time will
come when we shall
have the Edison Light in
our dwellings in Port Haven

Yours Really
John L. Sewell
Jas W. Newell

J. H. W. and P. H. folks yesterday
they are all well

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. HICKET, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
3	W	E	11 Collect

Received at Meula Park Depot 6/27 11:00 am 1888

Dated, New York 27

To Edison

I have telegram from Dr Laughlin
He will be here Friday

W. F. Hamington

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. HICKET, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
4	W	E	18 Paid

Received at Meula Park Depot 6/27 1888

Dated, New York 27

To Faul Russell

Meula Park
Thought I would remind you
that last note is due tomorrow
when will you be in the city
H M Lator

145 Broadway
New York. 27 June 1882.

Dear Sir,

Mr. Cyrus W. Field is
at present in Europe. I regret
therefore that he is unable to
give you the information asked
for in your letter of 26th Instant.

Yours faithfully
Philip H. Harris.

Thanks

J. A. Edison Esq.

Office of WOERISHOFFER & CO.,

No. 54 Exchange Place,

New York,

188

P. O. Box 3105.

Dear G. E.

J. J. Croff

Please let me
hear of you news about Electric
light, or if you will be at home
I will come out tomorrow
night, spend the night & talk
I over?

Have you a late list of
Stockholders, so we could
see how the matter stands?

J. J. Croff

The Mexican rail R.R. matters
are looking up & the band
is playing sweeter music.
5th St. N.Y.

Referring to your
27th Nov Edison
will call to see you on
the matter in a day
20

SAMUEL HOLMES,
CONSULTING IRON SHIP BUILDER,
SURVEYOR OF AND BROKER FOR SALE AND CHARTER OF
STEAM VESSELS AND MACHINERY.

VALUATIONS,
PLANS,
ESTIMATES,
SPECIFICATIONS,
DRAWINGS,
CALCULATIONS,
SURVEYS,
SUPERINTENDENCE,
ARBITRATIONS.

STEAMSHIPS,
STEAMBOATS,
STEAM FREIGHT PROPELLERS,
STEAM PASSENGER,
STEAM TUGS,
STEAM DREDGES,
STEAM BOATS,
STEAM TRUCKS,
STEAM FACTORIES,
MARINE ENGINES & BOILERS.

Nos. 120 & 122 FRONT ST.,

OR ENTRANCE 100 & 102 WALL ST.,

New York, 28 June 1882

STEAMSHIP OWNERS & STEAMSHIP BUILDERS
GENERAL AGENCY.

M. S. B. Eaton Esq

65 5th Av City

PARTICULARS OF

Steam Sacht Fe 343 "Hesper"

Description, Wood Cabin Saloon Handomely fitted
Rig, Ketchataik frame, oak planking

When Built, 1877

Tonnage Gross, 54 Nett

Length, 84.4

Breadth, 14.6

Depth of Hold, 5.6

Draft of Water loaded, 5.6 Light

Capacity,

Class,

Engines, Compound Recip condensing

Diameter of Cylinders, 9 $\frac{1}{2}$ 4.21

Length of Stroke, 12

Boilers, Steel vertical Built 1881

Steam Pressure allowed, 150 lbs

Consumption fuel per 24 hours, 14 tons

Capacity of Bunkers, 12 tons

Horse Power, 100

Speed per hour, 12 miles

Passengers, 75

To be seen, With Kirby

Price, Charter \$725 day all round

53

May 1. 82

OFFICE OF THE
PROSECUTOR OF THE PLEAS OF MIDDLESEX COUNTY,

No. 3 Masonic Hall,

NEW BRUNSWICK, N. J., May 1st 1882

J. KEARNEY
of
the
Office

Thos. A. Chas. Esq. *Mumf. Bond*

Sir:

The evidence that I shall submit you
to get you in this case of trespass, viz. that
these acts of trespass were done in your
absence, without your knowledge or consent—
that your agent had no power or authority
from you to do any of these acts— that
these acts were not within the scope of his
employment as your agent— that at the
time the alleged trespass was committed, that the
defendant saw and knew what was going on,
and made no objection to it, but permitted
it— and that upon your return to Mumf. Bond,
when your attention was called to the matter.

You had the piece taken up at once —
I shall want the names of the witnesses with
a brief statement as to what each will testify.

Will send the affidavit upon at the proper
time, when please answer to it & return to me.
Will you be able to try the case, if we
can get it ready at the next term of
Court? At your convenience, please
send me a check for \$50 — retaining fee.

Wm. P. Wood

KINGSBURY

Acknowledged
receipt with
thank

General Advertising Offices.

Lombard House,

George Yard, Lombard Street,

London. 2 July 1882

St. Edison Esq.
Marble Park
New Jersey

Dear Sir, We forward by this
mail copies of "Times" and "Daily
News" of to day date and will
continue to forward them daily as
requested in yours of June 20. You
will find the Daily News the best
for the prices of Electric Light
Stocks from the fact that they do
not confine themselves to giving
the prices of Stocks officially
quoted in the Stock Exchange List
but record dealings in otherwise
unquoted Stocks. One of the best
financial papers is the Statist
which occasionally refers to
Electrical matters. When it does so
it may be relied upon as being

(1)

General Advertising Offices.

Lombard House,

George Yard, Lombard Street,

London. _____ 188.

KINGSBURY & CO

second. The share list contained in it is one of the best but like all similar newspapers it is confined entirely to shares which have received an official quotation from the Stock Exchange and so necessarily excludes the recently formed Electric Light & Companies.

We will forward the Statist every week but should you find it of but little service will discontinue it at any time desired.

Two copies of the City News are sent you to day containing correspondence on "the London City" lighting. Any other articles we may see likely to be of interest shall be forwarded in duplicate as desired.

We are, Dear Sir,

Yours faithfully,

Kingsbury & Co

(2)

Hon A. G. Burchard

297 27 St. St.

W-96

7-3-82

My dear

The report
of Barkers has not yet
come here.

There is no harm in
publishing it if you can
get it!

Yours
W. B. Painter

M. H. Painter
Washington D.C.
Referring to yours
of the Hon H. G. Burdett
Director of the mints of the
United States at Washington
a copy of Prof Burdett's note
on a visit to Philadelphia
yours truly

07
M. H. Painter

1882

INTERNATIONAL EXHIBITION OF ELECTRICITY
PARIS-1881
OFFICE OF THE UNITED STATES COMMISSION
9, Rue de Marignan, 9

Philadelphia ~~Paris~~ July 4th 1882

My dear Edison:-

I go over to New York tomorrow for a few days & if agreeable to you I would like to come to Menlo for a day or two to talk over some matters I have in mind. Please send word to me at 65 Fifth Ave N.Y. care Major Eaton,

I hope you are making your arrangements to attend the meeting of the Am. Assoc. at Montreal on Aug. 3rd.

Cordially yours
George F. Barker.

Office of
J. BROCKIE & CO.
Manufacturers of Sails, Awnings, Tents, Flags, &c.
CANOPY AWAININGS STOREHOUSE AND CHURCH WEDDINGS.
COTTON DUCK LIME WIDERS.
STEAM PIPES AND BOILERS FITTED.
Ropes, Blocks, TAR, DAKUM, PARS, PITCH, &c. &c.

CITY DOCK, Foot of Canal Street,

Newark, N. J. July 6th 1887

Mr J. A. Schind

L. W. Sci - Your awnings have
been finished for some time. We were
to be notified when to put them up.

Please let us know when you
are ready for them & please

Yours
J. Brockie & Co.
per Quinn

Telegraphed for by
Mr. E. July 10

P.O. BOX 3329.



Personal

ADDRESS ALL COMMUNICATIONS TO
GEO. WORTHINGTON,
Editor & Proprietor.

23 PARK ROW
ROOMS 14 & 15

New York, July 6th, 1882

Prof. Thomas A. Edison.
Wentz Park.

Dear Sir:

Can I ask a favor of you which I will return by reciprocating in the way of advertising for you or your Company at anytime for a limited space without charge and also the use of our Columns to illustrate any of your inventions at all times. The favor I want is this, although the revenues of my advertising dept. cover all my expenses at the present time, said revenues are not at all times available just when we wish to use them, as the case happens to be just now, I desire to negotiate enclosed note at ninety days covering the amount as security by the accounts due and becoming due me as per enclosed schedule all of which I will collect and remit to you within ninety days from date.

P.O. BOX 3329.

NEW YORK REVIEW

TELEGRAPH & TELEPHONE

119 THE ASTOR BUILDING

23 BARKER ROOMS, 14 & 15.

ADDRESS ALL COMMUNICATIONS TO
GEO. WORTHINGTON,
Editor & Proprietor.

New York, _____ 1888

I am very truly yours,
Geo. Worthington

It will be a very great favor to me
Mr Edison as I am carrying the Journal
personally and alone from the start and
have now got it where it will stand
on its own legs in good shape but
my expenses have been considerable
up to present time in various ways in
fitting up and my acquaintance is not
unfortunately among moneyed men
of whom one could borrow Mr Tomer
will has unfortunately got all his money
in U. S. stock at 9 1/2 and has been carrying
it since last winter & he is the only
person I know who would accommodate me if he
were able - I will reciprocate your favor
you may be sure. This will enable me to
carry along some \$750.00 due me now for advertising
until I can effect some sale in all cases for 2-6
months more - I would have come out to see you
but feared you would be too much occupied.

NEW YORK REVIEW
TELEGRAPH & TELEPHONE
 A WEEKLY JOURNAL

23 BARK ROW
 ROOMS 14 & 15.

ADDRESSES ALL COMMUNICATIONS TO
 GEO. WORTHINGTON,
 Editor & Proprietor.

New York, July 6th 1882

I hereby guarantee that the following
 named accounts are correct and due to me in
 amounts as stated and secured by contracts and
 I agree to collect and remit the same to Prof
 Thomas A. Edison at Menlo Park N. J. in full
 without any charge or rebate within
 ninety days from date above written

G. W. Worthington, Ed & Prop.

Holland Thompson #360 0
 Eugene F. Phillips 42.00
 Eliot & Eliot 15.00
 Machinery Mershire Co 150.00
 Bishop Peter Paul Brady 76.50
 \$319.50

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been accepted by the sender of the following message. Errors can be avoided by repeating the amount of bills paid thereon, and in any case where the claim is not presented in writing within sixty days of transmission or delivery of the message. Letters, the amount of bills paid thereon, and in any case where the claim is not presented in writing within sixty days of transmission or delivery of the message, must be accompanied by request of the sender, under the conditions stated above.

THOS. T. ECKERT, General Manager.

MORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
1	Wm C	73 Paid	

Received at Menlo Park Depot 7/6 7/10/88 1888

Dated Rhin Cliff NY 5
 To J A Edison, Have seen boat exactly what we require
 cost four fifty month including engine man on board
 cost you thirty dollars month we shall have to get captain in
 addition yacht carries two small boats has good accommodation
 goes ten miles per hour easy should advise taking it if so telegraph
 owner John Aspinwall, Barrytown NY, immediately enable him
 get boat ready Saturday come me fifth ave office and
 I will see about captain
 Insull

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager.

MORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
301		OK Paid	

Received at 791 BROADWAY July 6 1888
 Dated Menlo Park Depot NY 6
J A Edison 65 Fifth ave

Have seen aspinwall for yacht
 and engine month ready Saturday
 J A Edison

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECTOR'S OFFICE

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed to by the sender of the message in message. Service can be provided against only by resending a message back in the sending station or otherwise, and the company will not hold itself liable for errors or delays in transmission or delivery. THE COMPANY ASSUMES NO LIABILITY for messages not received, but in any case where the station is not prepared in writing within sixty days after sending the message. THEOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
5	Zw	6	7 Paid
Received at	Menlo Park Depot		7/7 1882
Dated	Barrytown 7		
To	Saul Casull		
	Their Last Boat at Rhinebeck on time		
	John Aspinwall		

P.O. BOX 3329.

NEW YORK REVIEW

TELEGRAPH & TELEPHONE

ELECTRICAL JOURNAL

23 PARK ROW
ROOMS 14 & 15

Personal

ADDRESS ALL COMMUNICATIONS TO
GEO. WORTHINGTON,
EDITOR & PROPRIETOR.

New York, July 8th, 1882

Prof. Thomas A. Edison,
Woollo Park.

Dear Sir,

Your esteemed favor of 7th inst., covering check for \$500. in readvert. wants thanks and our beg to assure you that we appreciate this act of kindness and trust that you will have no hesitancy in calling upon us at all times to use our columns whenever you see fit either in the way of advertising or illustrating your any of your apparatus.

Will you please have your clerk send me memorandum of the accounts and amounts mentioned in my schedule as I failed to check them on my book so I may remit to you as they come in. I am very truly yours,

G. W. Worthington.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been accepted by the sender of the following message. It does not guarantee service or delivery of messages except as provided in the service regulations for communication, and the company will not hold itself liable for errors or delays in the transmission or delivery of telegraphed messages, beyond the amount of tele fare thereon, and in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. BOCKETT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
1	St. Ws.		19 collect
Received at <u>Wash 6.15 PM</u> <u>July 10</u> 188 <u>2</u>			
Desat: <u>Whittaker Wt.</u>			
To: <u>Chas. T. Hughes</u>			
<u>Minto Park</u>			
<u>Reached here this afternoon</u>			
<u>We are just starting off for this unknown</u>			
<u>and are having a splended time</u>			
<u>Inuall</u>			

Wash DC 7.12.

Mr. Star Prop

Burchard went from here to California, to be gone two months. If he got the reports he did not bring it to Washington.

Jurey
W. Painter
Ash

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been accepted by the sender of the following message. Messages not so guarded against only by repeating a message back to the sending station for comparison, and the company will not be held liable for errors or delays in transmission or delivery of telegrams. Messages, however, the amount of full paid thereon, but in any case where the claim is not presented in writing within thirty days after sending the message. This is an UNREPAID MESSAGE and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKHART, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
1	W U	11 Paid	

Received at Menlo Park Depot 7/14 1888

Waded Lovell Q 13 Area 14 - 8:15 P.M.

To Chas P Matt

Sent cables tonight to me
yacht Arrow Montreal to be
called

Edison

x Lovell Q

ask him to see me
if I can see one of the
of the

OFFICE OF THE
PROSECUTOR OF THE PLEAS OF MIDDLESEX COUNTY,

No. 9 Masonic Hall,

NEW BRUNSWICK, N. J., July 14th 1882

Keasby Rice, PROSECUTOR.
Wm. H. Rice
Richards Park N.J.

The declaration in *Worth*
has been put. It is different from
what I expected - from my conversation
with you - It would be necessary
for me to see you - to see of your
agent that has knowledge of all of the
facts - so that the proper forms of
pleading may be prepared on our
part - Please see to this at once,
so the time to plead is running
against us -

Very respectfully
Wm. H. Rice

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed by the sender of the following message. Errors in the above message will be corrected, but the Company will not be held liable for errors or delays in transmission or delivery of the messages hereon, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within thirty days after sending the message. This is a **UNRECORDED MESSAGE** and is not subject to the provisions of the act of Congress, under the conditions named above.

THOS. T. ROBERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	HOW BY	TIME	CHECK
6	Ms	6	22	Collect
Received at: <u>Menlo Park Depot</u> 7/14 64 0882				
Dated: <u>Melocherville Que 14</u> me				
To: <u>Chas P Matt</u>				
<u>Menlo Park</u> Answered				
<p><i>Telegram Early tomorrow morning to Cornwall Ontario after that Ogdenburg newspapers if anything of interest besides cables let us have it</i></p> <p style="text-align: right;"><i>Edison</i></p>				

THE MONTREAL AND DOMINION TELEGRAPH COMPANIES' LINES.

Operated by the Great North Western Telegraph Company of Canada.

This Company transmits and delivers messages only on conditions limiting its liability, which have been assumed by the sender of the following message.

Errors can be guarded against only by repeating a message back to the sending station for correction, and the company will not hold itself liable for errors or delays in transmission or

delivery of unrecorded messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an unrecorded message, and is delivered by means of the sender, under the conditions named above.



H. F. DWIGHT, General Manager.

BRANTUS WIMAN, President.

No.	FROM	SENT BY	HOW BY	TIME	CHECK
80	By	S. J.	745	P	9 P 2

This Telegram has been received under the above conditions.

7/15/1882

No. 188

By Telegram from menlo park

To: S. Inshall

Yacht Arrive

to arrive

Nothing but just

a number of unrec-

orded foreign letters

C. P. Matt

READ THE NOTICE AND AGREEMENT AT THE TOP.

[TO CHARLES P. MOTT]

Prof - It will be necessary
for me to see or hear from
Mr Edison in answer to the
two letters, not later than
1st August. *Yours truly*
Wm. P. Mott *W. P. Mott*
July 17th

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been accepted by the sender of the following message. It will not be responsible for any loss or damage to the contents of the message, or for any delay in its transmission or delivery of Unregistered Messages, beyond the amount of toll paid thereon, nor in any case where the fault is not presented in writing within sixty days after sending the message.

This is an UNREGISTERED MESSAGE, and is delivered by request of the sender, under the conditions stated above.

THOS. T. LOCKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECKS
3	Low	G	12 Paid 3 via N.Y.

Received at Menlo Park Depot 7/18 1882

From Rome N.Y. 18 2 PM

To Chas P. Matt

Edison and myself will be
home last train tonight
Jusue

Sent by Jones

164
172 A
173
174
175
176
177
178
179
180
181

Engineering Office
George B. Mallory
55 Broadway

Electricity - Motors

New York, July 20 1882

Subject _____

Dear Mr. Edison -

In Phila. is a Mr. W. W. Guerin
who comes to me with most excellent backing.
He desires to talk with you about some business
connected with some Electrical Machine
known as "The Guerin Motor" and other matters.
He seems to be a man of great information
I am sure that you will give him
to Duane Park to see you some time in latter
part of next week - No. man in Phila. has
better backing than he - I will ensure it
a great favor if you will show him some
attention in this matter. I know nothing
of the merits of his proposal but can vouch
for the man - About what time of day will
be best?

Very respectfully

Geo. B. Mallory

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
3	OTB	E	10 Paid

Received at Menlo Park Depot

7/21 1888

To: New York 21

12m

To: Edison

*While you be home tonight
if so will go down*

Gouraud

Rec'd
J. G. [unclear]
July 21 1882

The New-York Associated Press:

Washington Bureau, 533 Fifteenth Street.

Representing the New-York Journal of Commerce, Herald, Tribune, Times, Express, Sun, and The World. Acting also for the Hester Telegram Company, and all the leading Journals throughout the Union and the British Provinces.

Look Box 28.

Washington, D. C. July 21 1882

Friend Tom

Of that little band of operators who were nightly detailed to assist you in Prescotts room on the quad at 145 some years back, I am one as you probably remember. Three years of steady sending from the Capital for the associated Press has resulted in a complete loss to me of the power of sending and nearly so in receiving and six months ago I had to quit work. Since then I have been unable to do anything, It has now becoming a serious question how to gain a livelihood. My friends of the Press assure me of a departmental clerkship if I can wait a few months only. That is my only hope. Now, will you help me to live until I receive

my appointment? Will you loan me \$100. to
be returned in installments between Oct 1st and
Dec 1st? If so I can get along and fulfill
my part. Ie no security but my word to
offer you. Will you grant me this?

Yours

W. J. Cook

(rif)

Car ass^o p^{er}

Wash DC

50 dollars

Jan 6
Chy 2582
and loan

34

"WONDROUS INDEED IS THE VIRTUE OF A TRUE BOOK,"—CERVIER.

EVE'S DAUGHTERS;
OR
COMMON SENSE
MARRIED WIFE, AND MOTHER.
BY
MARION HARLAND,
Author of "The Book of the
Housewife," Etc., &c.



First-class Covers always wanted. To
such we offer great inducements.

THE
ROYAL ROAD TO WEALTH.
HOW TO
FIND AND FOLLOW IT.
BY
NELSON SIZER.
Profusely Illustrated with
Portraits, Etc.

PUBLICATION ROOMS OF

JOHN R. ANDERSON & HENRY S. ALLEN,

No. 65 CHAMBERS STREET

NEW YORK, July 21, 1882

Thos. A. Edison Esq.

Dear Sir

The portrait of
yourself that we use in
the book as pr. enclosed
circular is not satisfactory
and we would like to get a
better one. Will you be so good
as to inform us if you have
one or could place us in
the track of one and oblige
Yr. Respectfully
Andersont Allen

29
Judicial District
South of the Union Place
New York July 22 1882

Dear Miss Adams

On my return from
the Virginia White Sulphur
Springs I found you absent
at Lake Champlain - I wrote
Suking and told you
with you.

I ought to inform you
that Governor Cornell did not
sign our bill - as stated in
my letter which you
did not, took things of that off
in his hands on the adjournment
of the Legislature - its true object

87
JOHN R. ANDERSON & Co.,
55 CHAMBERS ST.,
NEW YORK.

July 25/82

Dear Sir

Thanks for
offer to furnish
a new photo
We await its
vict.

Yrs Gratefully
Wm. T. Eckert

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been accepted by the sender of the message, and in default of such conditions, the sender of the message shall be held liable for errors or delays in transmission. This is an UNREPEATED MESSAGE and is delivered for request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
424	mjr	10 paid	

Received at 791 BROADWAY.

July 25 1882.

Dated: Menlo park dept n jms

To: Pa Edison 65 5 due

Engineers & your team left
for Boynton at seven thirty
Phillips

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.
DIRECT WIRES.

FORM NO. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company **TRANSMITS AND DELIVERS** messages on condition of paying the fee therefor, which have been assessed by the order of the following message. Messages are received from any office of the Western Union Telegraph Company, and the company will not be held liable for errors or omissions in transmission of messages. **UNRECEIVED MESSAGES** are not delivered by request of the sender, under the conditions herein above.

THOMAS T. BUCKLEY, General Manager.

NORVIN GREENE, President.

NUMBER	SENT BY	RECD BY	CHECK	
17	D.M.	S.F.	S. P. King	FB5

Received at **791 BROADWAY**, Dept *Sept* July 26 1882

Dated, *Memorandum of July 26*

To, *J.A. Edison*

65-546

Shall Williams take yacht engine today, he arrived too late to do it yesterday as we had gone Hughes

This telegram has just been received at the office in 791 BROADWAY, near South Street, where any reply should be sent.

DIRECT WIRES.



47

July 27, 82
Anderson

July 27 1882

Mr. Inceull.

Dear Sir.

The picture
of Mr. Edison. could be reduced
but it would not be quite as
good as the original picture -
Suppose I print one on the size
panel you mention, just as it
is, without reducing, I think
it will suit you, as we fre-
quently make as large heads
for that size. If you like
the one then you can order
three. If you do not like it,
and Mr. Edison spare me fifteen
minutes any pleasant morning

I will ^{make} the exact size you wish
which would be better than a
reduced copy -

Yours truly
D. H. Anderson
J. V. Reardon

74
copy
copy

Please send me the facts
as obtained at once
so that I can draw the
plan - The time is
nearly up - Yours
W. B. Rice



37-

Anderson

July 29th 1887

Mr. Insell,

Dear Sir

Your note of yesterday is received - In your note next day before yesterday, you said you wanted the picture reduced to a panel size - which is the size of the full figure of Mrs. Edison recently delivered - but you say in your note of yesterday, you wanted it reduced to cabinet size. We have had a hand cut for the panel size I have just described. But if it is the cabinet style you want

I suppose it will not answer -
a Cabinet sign can not be made
of it without making simply
a copy - which would not be
as good as the original
picture - We have made the
panel picture. shall we send
it to you? you may like it.

Yours

D. H. Anderson

P.S. what we suggested
could not be carried out
for a Cabinet picture -

Washington D.C.
July 31, 1852

My dear friend

I have received,
through your private Secy,
a check for \$50. and I wish
to thank you from the
bottom of my heart. I hope
to receive my appointment
between now & Nov 1st, perhaps
sooner, and my first duty
then shall be to repay
you for your great kindness.
Thanking you again, I am

Sincerely

W^m J. Cook

MUTUAL UNION TELEGRAPH CO.,

EXECUTIVE OFFICE, 11 PINE STREET, NEW YORK.

J. W. [unclear] Aug 2 188
 J. A. [unclear]
 Friend Tom

I write to you on a little
 business for a friend of mine as
 you see by the enclosed card. He
 has agency of a small patent
 Engine, Coffee or peanut roaster, and
 he has an idea he can put on
 an attachment and run one of your
 Electric lights. The engine has cylinder
 2 by 4 stroke 3 inches, Power half
 horse, fuel gasoline. He thinks, and
 I think it has power enough
 to generate for a single light
 and he has requested me, being
 a friend, and knowing my acquaint-
 ance with you, to ask you for

50
Your idea on the subject and
if there is anything to be made
out of it and what would be
the expense. As you see I am
back again in Cms, but with
the Mutual Union. Let me hear
from you one way or other.

In old acquaintances anyhow
Cincin ain't what it was in
our time, and very few of the
old crowd left. Old Cap Ryder
is working in the same office
with me. Bill Lawler is our
manager. Peter Ayres our chief.
So with expectations of hearing
from you soon.

I remain
Yours truly
Charles Snyder
Mutual Union, P.O.
Cincinnati, O.

- 34

LAW OFFICES OF J. KEARNY RICE,
No. 3 Masonic Hall,

New Brunswick, N. J., Aug 2^d 1882

Am-^{pi}-

I received your
letter upon my return on
Tuesday. I shall be glad
please make application
to it and return at once
to me.

Very truly
Yours
J. Kearny Rice

If you get any more papers

Send them to me and
I will alter the plan
if necessary

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been selected as by the order of the following message, errors and by general usage only by the sender, it is hereby back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of time paid thereon, but in any case where the delay is not prevented in writing within early days this is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THEOS. T. ECKERT, General Manager. MORVIN GREEN, President.

NUMBER 5 SENT BY *WU* RECEIVED BY *WU* CHECK

Received at Menlo Park Depot Aug 11 1882

Dated Newark N.J
To Mr. Edison N.P.

Will you be in City today
As where can a Gent see you
Think its important today
to tomorrow
Sent to West by home N. Green

answered Sept 11
Dear Sir: - When you invented your
meandiscant fork, you gave me one
from your personal Menlo Park for
a festival of my church.
I had since written an interesting
book ~~on~~ beautiful illustrated paper
want to make a bud present of me. Please
send me your address
Jas. H. Meagher

THE WESTERN UNION TELEGRAPH COMPANY.

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THEOS. T. ECKERT, General Manager. MORVIN GREEN, President.

NUMBER 8 SENT BY *WU* RECEIVED BY *WU* CHECK

Received at Menlo Park Depot Aug 8 1882

Dated Newark N.J
To Mr. Edison

Menlo Park N.J
Sir by all means send for
my husband
Sarah Cunningham
Attended by Dr. Schwezman
123 Bank Street

1
Cobourg, Ontario.

Aug 27 1882

Dear

My dear Edson

I am now becoming im-
patient to get back to New York, but
I have still two or three weeks of
my paralytic course to run. Mean-
while my thoughts are constantly
with you, especially when I read
of the horribly hot weather, and
conceive of your being at work
for a considerable part of the
time, perhaps, in the Park Street
station, or in the Hotel Cosick.
The thermometer
here stands at 65° today, and
on Sunday last when, as I saw
by papers just received at school
in New York at 96°, it was standing
here at 82°.

Morgan & Co a statement of accounts in respect to the first payment upon the Indian & Colonial business. By referring to our correspondence in respect to the interest of Porter Lowrey Loren & Co in that business you will see that our bill of what you received (after deducting 15%) is payable to them. My special object in writing now is to say that my interest in that is one half. I should be unwilling personally to have any money now which I know you must need very much in your various extended works. In making a settlement with Porter Lowrey Loren & Co therefore in respect to the cash which you have now received from Diesel Morgan & Co on this account, if

you will send to Mr Stone, or to Mr Starnes, the other one sixth, also gether you will oblige me. I should like very much to hear from you, although I would not take a moment of your valuable time, but perhaps Druell will drop me a line telling me how you are getting on.

I was expecting Dringyard here today but he has not yet arrived. Canada is after all a hinkie and rather poor field, but Eaton and I after discussing the matter when he was here for a day last week submitted a general project to Mr Dringyard which excepted the lighting of Montreal in order that Mr Beards and his friends might take that if they choose, and also

stipulated that Mr. Abbott, Mr. Hearle
and others who made application
for electrical services be permitted
to join in the general Canadian
Company to the same amount
as others.

Very truly yours
James A. Edison
New York

As witness my hand and
the seal of the Edison Electric
Company at New York this 1st day of
August 1888.

James A. Edison
New York

76
July 1877
Mrs. Cunningham

Thursday August 15th 1877
No. 7 Union

Dear Sir

Mrs. Cunningham doctor says there is
a change for the better but he
can not tell for three or four
days as she can not eat all she
lives on is the juice of fruit

Yours truly

W. A. McDaniel

BARRYTOWN, N. Y.

Aug 18th 18
Cape May

Samuel Dussell Esq

Dear Sir

The "Arrow" arrived here at 8 P.M. on the evening of the 8th - I am sorry to say that her engine was in very bad shape & I more than ever feel that a good competent engineer is a very safe investment -

The steer has had a fair which is far out of the ordinary wear & tear of a boat but we will not consider this but of course I shall

expect you to replace the
conchior lost - I will
send you the bill of the
duplicate when I get it -
My bill is as follows -

Went by boat on the	\$485.00
2 tons Chest Coal delivered	11.50
Steak -	50
1/2 bush Potatoes Butter Land &c	3.11
Lard oil, woad, emerye	12.85
2 lb. Coffee	60
	<u>146.306</u>

Yours truly
John Redwood

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been defined to by the charter of the following message. Errors are not granted and are only by mistake. It is not responsible for the amount of time paid thereon, and the company will not hold itself liable for errors or delay in transmitting or delivery of Unrepeated Messages, except the amount of time paid thereon, and in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
6	Pg	J Paid	
Received at		Marble Park Depot	
Date	Newark 14		Aug 14 1882
To	Thos A Edison		9 PM
When can I see you at			
the Park			
Frank M Laughlin			

34
Received
15th Aug 82
Newark Aug. 14-82
Dr. Marco
J. A. Edison Esq

Dear Sir. —

I have just
rec'd a circular from
A. J. Saporito & Co. in
which the stock of the
"Edison Electric Light Co."
is quoted at \$500. bid

If you wish to see
me a share at that
price I will give you
credit for that amount
and please ask you for

The difference between
our accounts on Jan 1st
when I make out
my bill. Our bank settle-
ment was for the three years
prior to Jan 1st 81. when
I sent you a check for
a small amount. -

Yours truly
Edwin D. Ward

37

Aug 16. 82
Dr. Schumann as
to Mrs. Cunningham

Acknowledged & received
Piedmont, Aug 16th / 82
I thank you
Mr S. A. Edister,
Dear Sir,

My Cunningham desires
that I should address a line in
answer to your kind enquiries
(through Mr C. A. Mott) - in
regard to her present illness &c -
I am happy to inform you that
she has daily improved from my
first visit to present time - My
visits are now every other day and
her decided improvement is very
gratifying to all - She had acute
congestion right lung with low
fever and a trying form of dyspnea
She could not endure sight of food
and even the thought at times was
unpleasant to her - But all is
now for the better - She is quite

bits of some & has walked about
when)

free from pain, and from
small feedings of milk she is
now able to digest several forms
solid food and her whole
condition is markedly improved
and prospects are she bids
fair to soon recover —

Should any relapse or alarming
symptoms develop I will promptly
inform you — She is having
judicious, kind and attentive
care and all the circumstances
warrant me in saying I shall
do my best in all respects for
the interest and welfare of all.

Please inform
Mr. C. A. Mott that I have
in this manner answered

73
The note he left at my office
making above enquiries at
your request — Should have
answered sooner but thought
a few days delay would develop
a wiser answer. —

Very Respectfully

A. J. Robinson M.D.

Office 123

Bank St.

Newark, N.J.

To Mr. J. A. Ediston

Menlo Park

A. J.

ESTABLISHED 1881 ³⁷
OFFICE OF A. C. CHASE,

11 SOUTH SALINA STREET,
MANUFACTURER AND DEALER IN PIANOS AND ORGANS, ^{Aug 17, 82}

STEINWAY & SONS,
KIMBERN
Pianos and Hardwre Organs.

AND GENERAL AGENT FOR
CHICKERING & SOHNS, DECKER BROS.,
JAMES BROS.
Pianos and Palace Organs.

Instruments sold on Monthly Payments. Pianos and Organs to Rent.
Old Instruments taken in Exchange.



Syracuse, N. Y. August 17, 1882

Professor Edison
Dear Sir

In one of my German papers I have lately read an article, calling the attention of intelligent young men, to the promising field for our friends opened to them by the wonderful progress made in the last few years in the practical application of electricity in the arts and sciences.

I have a son, 18 years old who has just finished his course in the High school of this city and who can furnish the highest testimonials in scholarship, character and capability.

I feel anxious to give him such an education as will enable him to prepare for future usefulness and success.

Knowing of your many wonderful discoveries and inventions in the electromagnetic field, I take the liberty to ask, if you will

ESTABLISHED 1800
OFFICE OF A. C. CHASE,

22 NORTH BELLINA STREET,
MANUFACTURER AND DEALER IN PIANOS AND ORGANS,

STEINWAY & SONS,
EMERSON
Pianos and Domestic Organs.

AND GENERAL AGENT FOR

CHICKERING & SONS, DECKER BROS.,
HAINES BROS.,
Pianos and Palace Organs.

Instruments sold on Monthly Payments. Pianos and Organs to Rent.
Old Instruments taken in Exchange.



Syracuse, N. Y. _____ 188

Kindly inform me, when and how instruction
in this course can be secured.

I trust you will pardon me for troubling
you in this matter and if you be kind
enough to give me the desired in-
formation, you will very greatly
oblige

I am respectfully

Yours very truly,
Reference to your name is made
there is no place where instruction
is given of the character you
desire for your son
The only way would be
to get him a position in
some first class lectural
course. You might apply
to the same at 65 Broadway
65 Fifth Avenue New York

Established 1855.

M
The George Place Machinery Company,
Railway and Machine Shop Equipment,
125 Chambers & 103 Reade Streets,
New York, Aug 17 1882

P.O. Box 1119.

Friend Saxall,

v
I have just read in one
of the Mechanical papers that the
Edison has purchased some land in
Brooklyn to form a site for a Foundry,
Boiler shop & Pipe Works, will you
kindly inform me if this is so & much
ship

Yours truly

H. M. Linn

915 Henry Street
New York
August 22, 1912

Can be
sent at
once from
me

Dear Sir,
I am writing you
to see if you
have called at your
office in
New York but was
unable to see you
if you could inform
me where I might
see you I shall be
pleased to do so
hoping to meet with
your favour

I remain yours etc

R. B. Carter

Appt. Court open the second
Monday of September - Are ready
with witnesses - By your consent
depositions? - Better have a
witness made of the ^{top of the} ~~land~~ ^{the} ~~land~~
New York ^{the} ~~land~~ ^{the} ~~land~~
New York ^{the} ~~land~~ ^{the} ~~land~~

36

6 Lombard Street
London
August 23^d 1882

Dear Edison

Fruit Raisening

... told me when in
... about half of the
... for the above had.
Please close up the
... know the exact
... your debit in a/c
... this up.
... only.

Edison

John
Make up this
A. S. S. S.

T. A. EDISON;

Menlo Park, N. J., ~~23~~ ²⁰ Aug 1882

Colonel C. Buell
Manhattan
N. J.

Dear Sir,
My chemist
is at present in Europe
& will not be back for
three months & I am
therefore unable to take
the matter up.

Yours truly
Thos A Edison.

Newark Aug 24 1882

T. A. Edison Esq

Dear Sir,

I find on
inquiring in N. Y.
that you were right
the quota time was \$500.
bid and \$600. asked

If you are still
willing to sell me a
share at \$600. I will
take it yours truly
Wm. C. C. D. Ham

Established 1855.

The George Place Machinery Company,
Railway and Machine Shop Equipment,
125 Chambers & 103 Beade Streets.

P.O. Box 1119.

New York, Aug 24 1882

Friend Insell

Your letter at hand
will be very much obliged to you
if you will keep me posted on the
matter referred to.

Will also see Benjamin
as you suggest.

Do not fail to call on me
when in town ^{and} try to call about lunch
time.

Is the N S Electric Co going
to the N - C 2

Yours truly
Wm. L. Linn.

Medical Department

The Prudential Insurance Company,
of America

Newark, N.J. Aug 28 1882

J. Sasall Esq

Dear Sir -

Enclosed please
find receipt for the share of
stock you handed me today

If it is not worded so
as to cover the agreement as
you understand it please
let me know.

You will please accept
my thanks for your prompt
ness in attending to the busi-
ness for me

Yours truly
John F. Dreyfus
Answered
over 1882

Medical Department

The Prudential Insurance Company,
of America

Newark, N.J. Aug 28 1882

Recd of J. A. Edison Esq
one share of the stock of the
Edison Electric Light Company
for which I agree to pay out
Jan 1st 83 the sum of \$600. -
in professional services render-
ed or cash

John G. Ward

Dear Sir,

I duly received
your favor of 28th
inst with receipt
that one share
Carson Stock for
which accept
my thanks

Yours truly

Aug 28. 82
Ward

Received of Mr. Ward
the sum of \$100.00
for the purchase of
one share of Carson
Stock

Ward

(141.)

AMERICAN DISTRICT TELEGRAPH CO.

Executive Offices, 69 South Wall Avenue.

E. W. ANDREWS,
President.

WM. F. CHESTER,
Gen'l Supt.

ROBERT W. CROFUT,
Sec'y & Treas.

137
New York, Aug 30 1892
T. A. Colman Esq

Sir,
I have no longer
any wish to remain with the American
District Telegraph Co., I think that
I can arrange to clear my account
with them soon.

If you can make use of
me please let me know, I should
like something in N.Y. or vicinity.

If you wish to see me I will
come to Menlo at any time you
may appoint.

My early reply will oblige
you

James C. Malone
Care American Dist Tel Co

240 Broadway

Y. - 1 - 1

Print

179
1882

2, Bank Buildings, St. Martin's Street,
London. Aug. 31. 1882

My dear Mr. Sturges.

Many thanks for yours of 17th.

I agree to what Edison says & I told
you the same thing to Mr. Weston
he never received the money, but
I cd not help that. I paid it for him
in good faith, & he did not until 1878
years afterwards mention that he had
not received it, and when I saw him
(Dr. Wm. Murray happened to be with me)
he only miraculously assumed the
obligation as one resting on him
whom he owed a charge -
My point to an act though I doubt
so much directly as well as
directly, for him in the early days
when things mentioned to me in
order as many others such, I was
in no way considered, and now do
not get the hard cash directly out of
pocket. You know too how much

I did in the right direction, and
how long it wd have been for me to
recover payment in various ways of
this, if you also knew but I never
spoke disparagingly of Edison, but
the contrary.

You do not send any thing, & you
do not say what it is proposed to
send to you in general terms. I
am sure however, that both Edison
& yourself mean to let me feel that
I am well & fully paid - If by
Telephones is meant stock in the Co.
here, it would presumably be available
unless the Electric Light Co. here, buy
I suppose it has no market value
now. You told "private use for
some railing" this too may be
some good provision, but I have been
told that some one had misappropriated
the Electric Light Co. stock. You
I speak as likely to think you have done
in C^o. confer on that interest.
My desire is to send you to a very
long, & I think you know a good deal

though in public life, I am also in
business, and being so notoriously
like to do all good business promptly.

Now, my dear fellow, you arrange
the matter definitely, as between
you & I, & it is assumed that I am
obliged to you - by good of you
to attend to it at all.

Kindly let me hear from you in
receipt of this & in the best way.
Neither you nor I can live upon
the prospect of an indefinite or
remote future, and we can do with
the world as it is, but which will let the
future take care of itself, to a more
or less extent.

I hope that to know you myself,
are quite well - we often come
across friends who remember
you so far here as we do with
much pleasure. Come upon soon
to let you & I try long.

If you have time let me hear
all about the progress of things

& the W. Edition that we would
have on here with admiration
an account of his great achieve-
ments. And your progress in your line of
business will always be felt.

With my kind regards

Believe me

Yours faithfully
W. H. L. Stanton

*Answer
to
H*

34

OFFICE OF THE
PROSECUTOR OF THE PLEAS,

No. 3 Masonic Hall,

New Brunswick, N. J., *Sept 1* 1882

J. KEENEY RICE, PROSECUTOR

*West B. Union East
Monte Park*

Receipt:

Sept 1st telegram

The Court will meet on Monday
Sept 12th at 10 AM - I cannot
tell what day the trial will
take place - We cannot be sure
that we can get the case
adjourned - We must have
good grounds for it -

*Very respectfully
Yours
J. Keeney Rice*



47

W. E.

Pulitzer

New York, Sept 5 1882

Dear Mr. Keeney,
I should like to see you, by the
mail of Mr. Edson, on an important
matter, for a minute or two to-
morrow (Thursday) or Friday, will
you be so kind as to let me know
when, where I can ^{see} you. A line
addressed to me here will find me
I think Friday or Saturday morning
before too would perhaps suit me
best. If I can't see you this week (as
I go to Lacatoga for a day or two) or Saturday
when can I see you?

Please reply to this immediately
by letter or telegraph, and oblige yours
truly

Albert Pulitzer

37
New York Sept 8 1882
Mr. Edison
Received

Dear Sir,
I beg to
express my sincere
regrets that your letter failed
to reach you, and as I am most
anxious to maintain the good opin-
ion I think you hold for me,
I trust that you will give a kind
reception to this note. Of course
do not expect a written answer,
but hope that you will intimate
that I will be accorded an oppor-
tunity to see you to make an
explanation in the defence of
my name and reputation.
And my dear Sir, while sure of
the truth of the saying that

"Wise human to err" yet I
know that it is also human
for man to not speak over kindly
to those, whom they believe, have
forgotten the one who may err, a good
regard. For the sake of my name
and reputation, and for the re-
gard which I hope still you yet
have for me, I respectfully ask
that you accord me the favor
of an interview: and I assure
you that in the few moments
which you may give I will make
perfectly satisfactory to you, that
you will have done an act of
justice to me, and will be of
much interest to yourself.
May I not hope for a dispatch
directing me "where and when"
to see you?

Very Respectfully Yours

Samuel N. Russell

347 West 36th Street

London Sept 9th 1882

Dear Tom

Arrived here on 2nd August and find you are "far excellence" on Electric Light. Your folks here are gaining ahead like steam. as I want to go in for a part in one of the many Electric Companies springing up.

You can do immense service for me by writing your London Agents a line in my favor, and also by a direct note addressed to me to somewhat this effect

"You may refer ^{anyone} to my ^{own} "to your capabilities, but I think it will be sufficient if I say I consider you fully qualified to carry out anything you may undertake in reference to the technicalities of Electric power and its appliances.

Now Tom don't fail to take this little trouble for me for the sake of old times and I may be enabled to help along your inventions

at least ^{at} ^{last} ^{summer} this yourself. I expect to see

over to Paris for a few days
but shall leave my address
with your London agent
Yours as of yore

Math. F. Adams
Care The Edison Electric Light
& Hallam Viaduct
London

I have your favour of 9th inst and
should be very glad to give you the
recommendation you ask for if it were
not for the fact that it is so long
since I had anything to do with
you & have no knowledge whatever
of your career that it would be
an injustice to my English friends
to do what you desire without
knowing anything of your capabilities

37
Sept 28
Adams

Manhattan Sept 13 '80

Mr. Edison

I send by this mail your book
and I trust you will find pleasure in
reading it. I trust I trust I trust I trust
I trust I am glad you have commenced
illuminating W. B. Working your success in
your recent personal life I am not as
well as I am

J. L. Morgan

1882-09-14
GEORGE A. SMITH & Co.,
Bankers,
11 South Street,
Boston, Sept 14th 1882.
Mr. A. D. Smith
My dear Sir
The subject of the
Troy paper has been to require
a lot of patience. My people
who wish to draw up the paper
find a patent for writing on bank
checks which they desire has an
interest in it. And writing back and
forth to Washington a lot of time has
been lost. They have finally allowed
that you would know all about it
and would therefore be able to draw
up proper paper for protection.
So if you will kindly allow some
of your people to draw up the paper author-
izing the use of such of your right as an
organism covering all their patent I will
obtain an agreement to pay the 10% cost
and a proper provision for protection to you.
Very sincerely yours Geo. A. Smith

EDUCATIONAL SUPPLIES.

Chemical and Philosophical Apparatus,

STATIONERY AND DRAWING MATERIAL.

New England Agents for

JUVET'S TIME-GLOBE.

Special Agents for

WEBSTER'S DICTIONARY.

Special Agents representing the French and German
manufactures of

GUÉRIN, GAIFFE, D'ESAGA, J. WILH. ALBERT,
LANCELOT, BERGUERAND.

Sole Agents for *Panier's* (Ligny, Meuse)

DRAWING INSTRUMENTS.

E. WOLFF & SON'S (LONDON) COLORS.

Hartnack's Microscopes and Objectives.

GEORGE A. SMITH AND COMPANY,

7 Park Street,

(Formerly 149 A Tremont St.)

BOSTON, MASS.

Established 1855.

The George Place Machinery Company,
Railway and Machine Shop Equipment,
121 Chambers & 103 Rector Streets.

P.O. Box 1119

New York, Sept 15 1883

Friend Sewall

I am on at 255
Broad St. Wednesday evening at the
time stated in your telegram, but
you did not come to time.

Will you be able
to see me about those sewer machine
I am going down to the race tomorrow
will leave the store at 12 o'clock, but
if you want to see me tomorrow second
class until the ~~noon~~ afternoon I will
remain in the city to see you please telegraph
are your pleasure early tomorrow
morning or night

Yours truly

P. M. Lior

Private & Confidential



London Sept 15 1882

Dear Sir
 I have steadily
 been a patient
 of several cases of
 Gouty rheumatism
 of the knee by
 the use of your
 "Pain Expeller" & during
 the day one of the
 most remarkable
 experiences is that
 of my own sister
 who has been
 an invalid for many

years. She now had
 relief from any
 thing till you came
 to the rescue &
 Pains Expeller
 cured her. Another
 case has steadily
 come to my notice
 in this case in the
 experience of a
 friend here who
 also speaks it more
 fully in its case.
 A night or two ago
 I visited a com-
 munion on the subject
 at a dinner party

& when the subject
became one of your
oral conversation -
several questions were
made as to where it
could be bought but
no one could say.

Now as the thing is
undoubtedly a good
thing it seems to me
that it is "in light
that should not
be kept under a
bushel". Both the
Public should have
the benefit of it &
you should have

the due regard of
your genius in the
usual way - and
to that end I
venture to propose
that a Ptolemy Co
- not limited - shall
do these things & shall
pay to the author and
whether you now own
the copyright with you
need be known in
connection with a man-
agement of your side
or prefer - I will
put a few moments
present into an



LONDON,

1886

Extensive advertising
of it & supply the
demand which I have
no doubt will follow
and share the profit
equally with you -
All you have to do
if you approve is
to say the word
and send me the
particulars of the
agreement. The more
I hear the more I shall
please it in my
charitable shop in

Great Britain, & the
Colonies, Europe
Asia & Africa - &
I do not make a
pile out of it? I
shall be surprised.

I have not a doubt
of it. You will know
that any thing that
will pay its way in
advertising is in the
end a more paying
mode of money.
If you have any doubts
ask about it being
considered as possibly
of the nature of a
quack medicine

I beg you do not be
 deterred by such false
 delusion for it is as
 legitimate & virtuous
 as any other
 fight, & will be the
 complete answer to
 millions of people
 who suffer in a way
 that would be
 impossible otherwise
 they can hear it.
 If you should have
 any reason desire to
 keep our arrangements
 quiet a secret you
 can destroy this &
 you simply could not
 the "Go" & I will go

ahead with my prepara-
 tions for advertising,
 contracting for battle
 with England etc. &
 raise something steady
 for the business in
 your country & receive
 the participation of the
 mission which from
 you will come to mind
 Hoping for, & not
 doubting, your favor
 with reply
 Believe me
 ever yours
 G. E. G.

ALDEN & STERNE,
REAL ESTATE BROKERS,
2 WEST 14TH STREET, COR. FIFTH AVENUE.

NEW YORK, September 16, 1882

Mrs. Thos. A. Edison.

Menlo Park.

New Jersey -

Dear Madame -

We have secured permiss to see house No 25 Tranmerey Park which will be rented for 400 per month furnished for one year & seven months from October 1st 1882

We have also permiss to see the following houses. Those marked "F" are furnished and those marked "U" are unfurnished. Those that you think you desire please check off and we will go with you there to show them to you.

8 East 43 rd Street	Rent \$3600 per Annum.	.....	21.
6	"	"	21.
144 West 36 th	" 2400 "	"	21.
43	" 4500 "	"	21.
119 East 24 th	" 3300 "	"	21.
9 West 42 nd	" 3500 "	" (20 Sept. 1882. only)	21.
133	" 43 rd " 2500 "	"	21.
39 East 20	" 3000 "	"	21.
318 Madison Ave.	" 4200 "	"	21.
120 East 37 th Street	" 3600 "	"	21.
25 West 45 th Street	" 3000 "	" B.	21.
72 East 53 rd	" 3900 "	"	21.

FABRI & CHAUNCEY,
ROCKY MTS.

7
48 South Street,

New York, Sept. 18, 1882.
Fabri & Chauncey
Menlo Park,
N. J.

Dear Sir:-

We enclose a prospectus of the Crystal-Porcelain Pottery Co. to which we ask your attention. Friends of ours in England are largely interested in this invention and we are anxious to find their interests here in connection with it. Do you think that the tiles could be successfully introduced here for telegraph & telephone use, as explained

in Sec. 9 & 10? My suggestion as to the right way to proceed, will be very thankfully received by us.

We wrote you on Aug 4th explaining that Messrs. Morgan & Co. had undertaken to distribute the proceeds of the sale of the India patents for the light, & referring you to them for your share, at the same time asking you to release us from all ~~further~~ responsibility in the matter, by reason of the contract between us, &c. We have no answer from you,

and we presume you have overlooked our request. - Will you kindly write us a letter, such as we desire, if you find everything in order.

Yours very truly,
John H. Conway
J. W. Carter

Handwritten notes, possibly bleed-through from the reverse side of the page, including phrases like "you to return us for the", "matter of order of the", and "contract between us".

Extensive handwritten notes on the right side of the page, including a date "Feb 2 1861" and various illegible cursive text.

AMERICAN DISTRICT TELEGRAPH CO.

Executive Offices, 52 South 5th Avenue.

E. W. ANDERSON
President.W. F. CHESTER,
Gen'l Supt.SIDNEY W. GROFFT,
Sec'y & Treas.

New York, Sept 20 1882

J. A. Edison Esq

Sir

I have been trying to see you as per your instructions since Monday last. I have left a note in Canal St. with Mr. Andrews please ask him for it. I wish to see you for another reason now. Men't to Pope & myself have got a gigantic scheme on hand in which we wish to interest you, I only hinted at it the other day. We wish an interview with you to explain it.

Please let me know where & where we can meet you will come to meals at anywhere you wish at a days notice.

Yours Respectfully
James E. Browne
Care of D. J. C.
8 Jay St.

Wm. H. Alden, Jr.

MONROE S. STERN.

ALDEN & STERNE,

REAL ESTATE BROKERS,

OFFICES: 108 BROADWAY, COR. FIFTH AVENUE.
102 BROADWAY, COR. FINE STREET

NEW YORK, Sept 20 1882

Mr. Insel
of Tho. A. Edison Esq.
Manhattan Park New Jersey
Dear Sir

Mr. Poyer called at our office this afternoon and will reach Mr. Edison at Mr. Poyer's office 110 Broadway at 12 o'clock on a Saturday (Sept 23) next. He proposes to sign leases - He proposes to make the lease for 1 year & to move from Oct 1st 1882 and we have told him that that will suit you as well and the leases will be made on that term - He seems pleased to lease Mr. Edison for a year & will no doubt make you very comfortable -
Wm. H. Alden & Stern

Address All Letters to No. 2 West 14th Street.

THE WESTERN UNION TELEGRAPH COMPANY.

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ROBERT GREENE, President

THOS. T. ECKERT, General Manager.

NUMBERS	SENT BY	RECEIVED BY	CLASS
1	PL	E	nl Od
Received at <i>Menlo Park depot N.Y. 22 1880</i>			
Dated <i>New York 16 22</i>			
To <i>Mr Insull or J A Edison</i>			
<i>Mr. Paige has decided to rent</i>			
<i>houses only for two years from</i>			
<i>October first answer if satisfactory</i>			
<i>Plans ready for signature tomorrow</i>			
<i>at home Alden & Stern</i>			

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ROBERT GREENE, President

THOS. T. ECKERT, General Manager.

NUMBERS	SENT BY	RECEIVED BY	CLASS
2	PL	E	9 Paris
Received at <i>Menlo Park depot N.Y. 22 1880</i>			
Dated <i>New York 22</i>			
To <i>Mr Insull or J A Edison</i>			
<i>Please answer our dispatch</i>			
<i>of this morning about house</i>			
<i>Alden & Stern</i>			

34
OFFICE OF THE
PROSECUTOR OF THE PLEAS,
No. 3 Masonic Hall,
New Brunswick, N. J., *Apr 22* 188*2*

J. KEARNEY RICE, PROSECUTOR.

Am. J. R.

*Write this morning
write to me some days
ago - wanting to
see continued the case
without the payment
of costs - I write
back, he must
pay costs - this morning
I received a letter*

from him saying
"I must be without
"Acto or fight - My
"Ain't feel no side
"Not pay a cent"

Shall I let time
discontinue without
Acto or fight &

Wright
State

Thomas Davis E.
Munlo Park

Western Electric Company,
New York.

Sept. 23, 1882

Thos. A. Edison, Esq.,
Menlo Park,
N. J.

Dear Sir:--

Replying to your favor
of the 20th, Col. Geo. L. Beetle is at
present on his way to Buffalo. He
will return to New York in the course of
perhaps two weeks, and, if you desire,
we will notify you when he is here.

Yours truly,
Western Electric Co.

Brown

*A letter addressed to him
at Buffalo will reach him.*

This Indenture, made the twenty third day of September one thousand eight hundred and eighty two Between

James W. Payer and Caroline Payer of the City, County and State of New York, parties of the first part, and Thomas A. Edison of West Park, N. Y. party of the second part, Witnesseth, That the said part of the first part have sold, and by these presents do grant, demise, and to farm let unto the said party of the second part

All that certain lot, piece or parcel of land situated in the City and County of New York, together with the dwelling house thereon erected and which is known and distinguished by the street number 25 Gramercy Park

with the appurtenances, together with the furniture in the said dwelling house a list or schedule, or inventory of which is in possession of each party, and to which reference is hereby made, the said schedule or inventory having been examined by said parties, approved and signed by them, for the term of two years from the first day of October one thousand eight hundred and eighty two at the annual rent or sum of forty-eight hundred dollars (\$4800.)

to be paid in equal monthly payments in advance

And it is agreed that if any rent shall be due and unpaid, or if default shall be made in any of the covenants herein contained, then it shall be lawful for the said party of the

first part, to re-enter the said premises, and to remove all persons therefrom:
And the said party of the second part doth hereby covenant to pay to the said parties of the first part, the said yearly rent as herein specified, that is to say in equal monthly installments in advance on the first day of each and every month until the term expires. And the said party of the second part doth hereby covenant not to assign or sublet the whole or any part of said premises, nor make any alterations therein nor follow nor suffer to be carried on therein any business, trade or manufacture, and that after the first day of February, 1884, he will permit the parties of the first part to put a notice on said premises that the same are for sale, to let and will permit access thereto at reasonable hours.
And at the expiration of the said term, the said party of the second part, will quit and surrender the premises hereby demised, in as good state and condition as reasonable use and wear thereof will permit, damages by the elements excepted.

And the party of the second part further expressly covenant and agree to keep the said furniture enumerated in said schedule or inventory, and which is contained in the said dwelling house in good order, and repair at his own proper cost and expense, and also to pay for, replace or make good any and all damages, breakage, or loss to said furniture (excepting loss or damage by fire to said furniture), and to surrender and deliver up said furniture at the expiration of said term, the ordinary reasonable use and wear of such furniture excepted.

And the said part of the first part, do— covenant that the said part of the second part, on paying the said yearly rent, and performing the covenants aforesaid, shall and may peaceably and quietly have, hold, and enjoy the said demised premises for the term aforesaid.

In witness whereof the parties hereto have hereunto set their hands and seals the day and year first above written.

In testimony &

James W. Pryor }

James W. Pryor
Charles Pryor

Thomas A. Edison.

IN CONSIDERATION of the letting of the premises above mentioned to the above named

and of the sum of One Dollar to me paid by the said part

of the first part do hereby covenant and agree, to

and with the part of the first part above named, and legal representatives, that if default shall at any

time be made by the said in the payment of

the rent and performance of the covenants above contained on part to be paid and performed, that

will well and truly pay the said rent, or any arrears thereof that may remain due unto the said part of the first

part, and also all damages that may arise in consequence of the non-performance of said covenants, or either of them,

without requiring notice of any such default from the said part of the first part

Witness my hand and seal this day of in the year of

our Lord, one thousand eight hundred and

Witness

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed to by the sender of the following message. Errors can be generated against only by repeating a message back to the sending station for correction, and the necessary will not hold their claim for errors or delay in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, but in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is distributed by request of the sender, under the conditions stated above.

THOS. T. SCHEERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
95	RV	W 15 Paid	11 37

Received at 791 BROADWAY.

Sept 20 1889

Monla Park Depot nizer

Saml Inoull

65 21/2 Ave

Wont be in today Mrs

Edwin will be in on

Mrs twenty one train tomorrow

Hughes

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

ILLINOIS RIVER IMPROVEMENT.

ASSISTANT ENGINEER'S OFFICE.

*Edo not of any
messrs. Adams & Co.
St. Paul, Minn.*

Received Dec 9/20 1002

Dear and interested in the study
of Electricity and wishing to enter
the profession of Electrical Engineering
and knowing of you as the only
electrician of which I have heard
much about in New York City, I
take the liberty of asking you
if you could please inform me
in regard to the school for the
study of Electrical Engineering
which I understand has been
recently established in New York.
Any information such as the address
or which you could please give me
will be thankfully received.

I am respectfully yours,
J. T. Norbury
New York City

Rec. River Improv.

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THE SENDER OF THE FOLLOWING MESSAGE, and is delivered by request of the sender, under the conditions named above.

NORVIN GREEN, President.

NUMBER <i>388</i>	REPLY <i>NY</i>	RECD BY <i>3rd</i>	CHECK <i>422</i>
----------------------	--------------------	-----------------------	---------------------

Received at **791 BROADWAY.**

Sept 24 1889

Dated *Monte Park Depot NY 24*

To *J. Smalley*

65 Fifth Ave NY
Send Package to Mrs. Edison
Mrs. Edison

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.
 DIRECT WIRE.

Form No. 1

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been accepted by the sender of the following message. Errors can be corrected only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or omissions in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

THE SENDER OF THE FOLLOWING MESSAGE, and is delivered by request of the sender, under the conditions named above.

NORVIN GREEN, President.

NUMBER <i>399</i>	REPLY <i>NY</i>	RECD BY <i>paid</i>	CHECK <i>711</i>
----------------------	--------------------	------------------------	---------------------

Received at **791 BROADWAY.**

Sept 27 1889

Dated *Monte Park Depot NY 27*

To *J. Cunningham*

65 Fifth Ave
Want Measurements for Curtains
Mrs. Edison

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRE.

1871
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 1900

regret more than I that Mr.
 Edison should not find the
 ball-room quite ready
 when he moves in. The in-
 ventory & shall leave
 ready this week, the unavoidable
 absence from the city has
 delayed me somewhat.

Very truly yours,
 James M. Pyron.

45.8.20th

N.Y.C. 1882-29 Sept

after the Worcester
Congress Festival

Dear Electra!!
city - Edison

My aff. regards remain to that good friend Helen
Meyers

Don't you forget
the dimmmmer
tomorrow Saturday
the 29th at Mr
Helman's - 6 o'clock
evening - 44th St -
West - I believe number
200 - my fiddle
will be there.

Very affectionately and
always
W. Helmen

67

Sept 30, 1882
Stewart

Sept 30, 1882
Pittsburg Daily News
Prof. Thos. A. Edison
Berlin

I was
referred to you by Mr. Hudson
of the Pittsburgh Commercial
Gazette to answer a question
for me (viz) what is comprised
in the term "Electric Engineer",
and what are its requirements.
When would you recommend
me to go to study the
profession.

You will confer a very
great favor by answering
Very truly
Yours
Thos. S. Stewart

There is no establishment
that I can recommend
you to go to study
for the profession of
E. E. As to advising
you to qualify yourself
for such a position
I could not take
the responsibility
of doing so as
I have no idea
of your adaptability
to it.

Feb 27th

New York
Sep 30^a 82

Mr Edison
Star Line Co

As there has been unusual delay upon your part in settling the enclosed bill for books - which is a duplicate of ~~other~~ ~~similar~~ statements left with your (sic) they to state that the amount now due is the balance according to your written agreement with us, which was that you would take my name until 6th Feb 82. Your last payment to me was \$500.00 down to 28 Feb, thus leaving one week unpaid.

The price per mesh was
\$125.00 from which
I deducted \$20.00 for
the absence of two persons from
Friday until Monday.

If you will send me
your check to balance
I shall be greatly
obliged.

Yours Truly
M. A. Shipman
12 Clouston Place
City

37

Sept. 30. 82

Zeising

I never made any
such remarks
as is attributed to
me in the newspaper.

Just in case you read
Atlantic City, Sept. 30, 1882.
I know of no truth
in a paper, but the
Ocean Telephone
likely to ask you whether the
facts in the enclosed articles are
true or not, and your opinion of
the same.

Do you think they are a good
investment, and is there any
of either the "Ocean Telephone"
or "Electric Light" stock in the
market, and if so, where can
it be purchased?

I expect to have some ready cash
next month, and while naturally
desirous of increasing the same,
do not wish to invest in anything

of which I am entirely ignorant.
Your opinion would be highly
valued and regarded, as being
swiftly and confidential.

I know your time is valuable,
and do not wish to encroach
on the same, but if you will
overlook the present question on
my part, and kindly notice
my request, I shall feel very
much obliged.

Should you ever visit Atlantic
City, I shall be happy to
have you call on me.

Yours truly
Chas. M. Rising
Box 631-

Ocean Telephone.

It was learned from the most reliable sources, that a novel and indeed stupendous project is at present occupying the attention of a number of renowned electricians and capitalists, both here and in Europe; viz., the establishment of a system of telephonic communication between America and Europe, by means of submarine cables now in course of construction, and which will be peculiarly suited to that purpose. At first glance, the scheme of establishing speaking communication between the two hemispheres appeared so chimerical that a Star reporter ventured to express a doubt on the subject, but further inquiries convinced him that not only had the plan been put into practical shape, but an Ocean Telephone Company had already been granted privileges by the French authorities, and that a representative of the concern was now in New York to further its interests. The company includes among its leading members several of New York's largest and most influential bankers and capitalists. So far, the promoters of the scheme have been successful in keeping the matter out of the public press. These gentlemen do not intend to let the stock of the concern get on the market here, but rather to work it through a syndicate. After diligent inquiries, it was learned that already a leading Wall Street banking house had been confidentially identified with the scheme, and is now on the list of subscribers to the amount of \$10,000 worth of shares. Quiet experiments have succeeded in demonstrating that the human voice can be distinctly heard at least 1,000 miles, and the inventor of the submarine system proposes to apply a new system of repeaters which will render transmission over any distance as easy as over land. While investigating the intricate future of the telegraph, by which one man in New York will be enabled to converse with another at Vienna, London or St. Petersburg, his reporter incidentally obtained some interesting information as to the extension of the ramifications of the electric light. Edison, in his retirement, has evidently had his eyes fixed to still further extend the use of his new discovery, and for that purpose a new company has been organized, with its headquarters in London, by which the natives of that far East see to enjoy this luxury. The company's field of operations will extend to China, Japan and Australia; already one of the best telegraph lines in England has been sent out to Sydney, and been operations and the Australian board and politicians. It will be quite sufficient to see over their prospective acquisition of the great Dominion of the stock of the company, which is held, notwithstanding the English and European markets is held at five pounds, and has already been taken up in a few days by Mr. Edson's agent, remarked that before many weeks the price would run up to £100. That there have been great fortunes made in electric stock speculations there can be no doubt. Among the lucky investors in these stocks of latter ex-eminence, General James is spoken of as having made a couple fortunes. He purchased some 5,000 shares of Wall Telephone stock at the selling price of 25 cents a share, and sold out when they reached the phenomenal figure of \$100 per share. 5,000 x 75 = 375,000.

3 Broad Street

Oct. 2nd, 1892

My dear Edison:

Will you give me
the pleasure of your com-
pany at dinner at the
Union League Club on
Thursday the 5th instant
at 7 o'clock, to meet Capt
Eyre Massey Shaw, Chief
of the London Fire Brigade?

Please answer.

Very truly yours

E. P. Sawyer

J. A. Edison Esq

JAMES L. EDSON, President.

L. M. THAYER, Secretary.

THAYER & DUNNING, Managers.

WESTERN UNION MUTUAL
LIFE AND ACCIDENT SOCIETY,
OF THE UNITED STATES; DETROIT, MICH.

Oct 2nd 1882

Dear Friend Alon

Mr P. gave me
one of your Lamps and I put it
on exhibition in Mr. S. Smith's Window
in Detroit where it had great attention
Mr. Smith wished me to ask you
if it could be arranged to put one
or more of your Lights in his store
to show during the Holidays - He
has good steam power in his store
to run it and I will get the work
of putting in done at Myowin before
if you will furnish the Light -
John Thomas and myself would be pleased
if you would let us have have it
and if you wish it I will come down
to Waukegan and get it with instructions
for putting up. Please drop me a line

What you think in regards to what
your Brother W.P. gave me the cutting
of yourself which is good and pleasant
Many thanks for same

Your old friend of many
years ago Jas. A. Clancy - or as they
called me then James Ford

Please write J.A. Clancy
266 - 4th Street

Detroit
Mich

" Have you a machine
to run the light. or do
you intend using a battery
Can send you lamps but
have no small machine
all our machines weigh
over a ton. —

26

THE ELECTRICIAN.

396
Electrician
2 Oct 1882

1882

T. A. Edison

Dear Sir -

I write as a busy man to a busy man and therefore will take up your time but little. The Electrician seems to become cosmopolitan at any rate as regards English speaking nations. We want to issue it in America - as a first class paper - we want American Contributions & information peculiar to our English Contributions & information. We want to keep the tone of the paper as high or higher than at present. To say our say as we deem right

We are trying to arrange with Van Nostrand - to push the sales & take ads -

Will you support us - (1) with some Contributions (2) with suggestions (3) with influence.

The American Contributions should be similar to the English. some theoretical some practical - and intermingled as regards position in the paper - so that the whole may be homogeneous.

If we can carry this through and get a good start on your side I propose visiting America to consolidate matters. Trusting you will help I am Yr. faithfully
T. A. Edison & C. H. W. Beissel

T. A. EDISON,

Copper Mine

Menlo Park, N. J.,

Oct 3^d

1881.

Hughes

Mr. J. A. Edison

Dear Sir,

I was over
to interview Mr. Campbell
and Mr. Myers (whose
lungs we found to grow
roughly) and the law-
yer they will take in
\$175. and \$50. respect-
ively and I don't know
that it is too much
as in one case we run
over about 1600 feet of
meadow and in the
other about 1400. I
have agreed to replace
the grass when the food
is taken up but there
will be but little to
do. Had to assure both
parties that you would

be responsible for any
damage you might do
to Cattle. I think you
had better send checks
in favor of Joel Camp-
ton for \$125. and
John Aijers for \$50.
and settle the matter
before they change
their minds and I
want to do some
work on Aijers' place
in a day or two.

Yours Truly
Chas. F. Hughes

N. Y. 4th Oct²⁶ 1882
45. E. 20th

Hempstead
Dear Edison

Next Monday the
9th (evening) I leave
town — and will re-
turn to N. Y. next
Friday the 13th
and will remain
until the 17th of
Oct inclusive —
therefore, whereas,
however, nevertheless

if you do not want
to be blown up in
the moon, or to
some other far more
distant planet —
you better take
dinner with me,
^{with}
~~and~~ a very few
friends of mine
^{worthy of your society}
— Decide the day

yourself, let me
know it — put the
day in your memory
— impregnate yourself
steadily with the idea
— take in your pocket
Johnson and Insull
and bring them with
you — because
after the 17th
I leave town again
and won't be back.

until the 30th of
June 1883 —

therefore if you
like your sweet
life — come —
— write

affectionately

Yours
Henry

Subject: CARBON BUTTONS FOR TELEPHONE.

1882-10-05

ARTHUR STILES,
President.
JOHN M. CROOK,
Vice President.
D. H. LOUGHRAN,
Secretary.
Geo. H. BURN,
Gen'l. Mgr.
P. D. JOHNSON,
Explosive.

Western Edison Light Company,

51 and 53 Wabash Avenue,

DIRECTORS.
THOMAS A. EDISON.
JAMES SPENCER.
J. W. DODGE.
SAMUEL MERRILL.
HARRIS WILLIAMS.
EDWARD HART.
JOHN M. CROOK.
JOHN CROSBY.
ARTHUR F. JOHNSON.
Z. G. SWANICK.

CHICAGO, Oct. 5th, 1882.

Mr. Thos. Al Edison,
25 5th Avenue, N. Y.

Dear Sir:

A party at Maristee, Mich., who is very friendly to the Edison Light, wishes to procure two of the carbon buttons used in connection with the Edison telephones, for experimental purposes, and is willing to pay for them.

Have you any that you can send, and if not can you direct me where they can be obtained?

Sincerely yours,

Geo. H. Burn

Gen. Supt.

e 107

P.O. BOX 3329.

NEW YORK REVIEW
TELEGRAPH & TELEPHONE
ELECTRIC JOURNAL

Personal.
ADDRESS ALL COMMUNICATIONS TO
GEO. WORTHINGTON,
Editor & Proprietor.

23 PARK ROW
ROOMS 14 & 15

New York, Oct 5 - 1882.

Prof Thomas A. Edison
My dear Sir,

I have deposited at the
National Bank here the money
to meet my note you so kindly
accepted for \$300.⁰⁰ due 6th inst. If you
will direct it to be sent there for
collection to day I oblige.

Faithfully yours

G. Worthington

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THIS IS AN UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THEOS. T. ECKERT, General Manager.

HORVIN GREEN, President.

NUMBER	SENT BY	RECEIVED BY	CHECK
378	Wm. Co.	18 paid	

Received at **791 BROADWAY.** Oct 6. 1882.

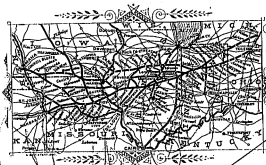
Date Monte Park Depot
W. A. Edison

65 Fifth Ave

The Money is deposited at
 National Park Bank to meet
 Note please have it sent
 there for Collection Wm. Washington

This telegram has just been received at the office in 791 BROADWAY, near South Street, where any reply should be sent.

DIRECT WIRES.



MARQUETTE & ONTONAGON RAILWAY

C. SHEEHY, NORTHERN PASSENGER AGENT,
No. 167 Jefferson Avenue,

Detroit, Mich. Oct 6th 1882

James G. Edison Esq.
65 Fifth Avenue New York.
Dear Sir

During my visit to Menlo Park, June 22nd we had some talk about your light in some of the smaller towns or Cities in the west. You said you would try it in some town not far from Menlo Park and after you found out the result you thought some thing could be done in Michigan.

If the time has come I would be very glad to make any arrangements for carrying out such work as you would think would pay. I saw your Brother and Wife yesterday they are well. With kind regards to your Wife and family also to Mr Hughes. and thanks to Mr Insull for Phos

Yours truly
C. Sheehy

Paris Oct 8th 1852

Dear Tom

As I wrote you from London. I can be of immense service to you in Europe, and since my arrival in Paris can see in what manner you informed me in one of your letters written to Brazil that as soon as an invention was patented you sold out reserving to yourself a royalty only. If you have done so on the Edlight for Europe, the letter I asked you to write cannot in any way compromise you but will aid me in getting into a position that I can always be useful to you in keeping you informed of how things are going and look after your interest in many ways. Besides you know Tom this is the great favor I have

[Faint, mostly illegible handwritten text, possibly bleed-through from the reverse side of the page.]

1870

Dear Sir
I have the pleasure to inform you that your order for 100 copies of the book 'The Principles of Business' has been received and is now being prepared. It will be ready for shipment in about two weeks. I am sorry that I cannot deliver it sooner, but the printer has been very busy. I will be glad to send you a copy of the book free of charge if you wish. Please let me hear from you when you receive it. Yours truly,
Wm. J. Adams

asked of you and being
convinced that you can easily
grant ~~me~~ ^{my} business capacity
has increased since I saw
you and I can advance
your interest greatly here
as I am acquainted with
a great many influential
men when I hear your
interest I mean the Co
that holds your patents.
Write me yourself and at
once.

I of course know
you have rec^d a number of
junk letters from old friends
but trust you will not
neglect me on that account.

Write at once as
I await your decision if
unfavourable I will engage
in other business.

Yours faithfully
Wm. J. Adams.

HALL OF THE FRANKLIN INSTITUTE,
18 South Seventh Street,

Philadelphia, Oct. 9th 1882

W

J. A. Edison Esq.
New York.

Dear Sir:- If it in no way interferes
with business interests, and you feel inclined to
do so, I would be most pleased have you give
me in a general way such a report of the
working of your system of domestic lighting
in New York, as you may wish to prepare to
enable me to present it at the next stated
Meeting of this Institute, which will take place
on Wednesday October 18th. It should
your time & engagements permit. It would
afford our members particular participation
if you could read a paper or give an address on
the subject in person on the night in question,
or if this is impossible we will be glad to welcome
any representative you might empower to
speak in your name. Assuming your
first convenience for a reply, I am
H. James Secretary of the Franklin Institute
Philadelphia, Pa.
progressing your operations in
N. Y. are watched here with
the warmest interest. Y.

R. M. PULSIFER & CO.
Proprietors.

R. M. Pulsifer,
E. S. Washell,
C. H. Andrews.

Mr. Edison
had to be in Boston
on Saturday morning
at 11 o'clock
The Herald

Boston, Oct 11 1882

on new paper
do you return?
do you return?
do you return?
If you are
going away to remain in the city
over night will you attend
the annual dinner of the
Boston Golf Club, which is to
be held at 5.30 this afternoon?

If you are not busy
for a few moments send me
word by the bearer, or by other
messenger at any time during the
(over)

26

Nov. 11. 82

Maguire

day & I will call around;
or, if you are down this way
please drop in at Room
21, Herald office.

Yours, &c

Thomas Maguire.

P.O. BOX 3329.

NEW YORK REVIEW
TELEGRAPH & TELEPHONE
TELEPHONE JOURNAL

23 BARK HOLE
ROOMS, 14 & 15

ADDRESS ALL COMMUNICATIONS TO
GEO. WORTHINGTON,
Editor & Proprietor.

New York, October 11th 1882

Daniel Small Esq
Private Secretary,
"Prof Thomas A. Edison.

My dear Sir:

Your very kind favor
of the 10th inst. is received with
thanks, which please convey to Prof
Edison. If you will only be
good enough to indicate some way
in which the Review can serve
either you or myself personally,
we shall be happy for it is
encouraging pleasant to receive favors if we
can only get the opportunity to repay them.

I enclose herewith the check for your
signature which was omitted. I am

Very sincerely yours

Geo. Worthington

Ormond Oct. 12. 1882.

Mr. Edison

Dear Sir

Will you please be so kind as
to send me a check for the
money, as I am feeling quite
unwell, and unable to call
by so doing, you will greatly
oblige me very respectfully
yours. Wm. Cunningham

(Oct. 15)?

Dear Edison

Here 2 Tickets

for you

2 Tickets

for

Johnson

2 Tickets

for Insulla

and if you do not come
all to assist at my inter-
esting concert next
Thursday the 19th Oct at
9 p.m. — the Devil
will take you all

2)

to the infernal
regions — you
bet your sweet
life — Give
a sign, that

you are among
the living — or
I will give you up
as dead — dead and gone
and I will write a funeral
march affectionately — as
always yr
D. Remeyne
45.5.20th

26

77
Reynolds
Oct. 18 - 82

Dress Coat
necessary
Except for
Edison

HALL OF THE FRANKLIN INSTITUTE,
18 South Seventh Street,

Philadelphia, 10/14 - 1882

Thos. A. Edison Esq -

Dear Sir - Your letter of the 13th
inst. is received. Thanks for your prompt
reply. What I should like to have for
our Society would be a concise, but
exhaustive paper, in mechanical and
scientific detail, giving a description
of your N. Y. plant, with such facts
relative to its practical working and
economy, as you may be able to com-
municate. Such a paper, when your
goal is fulfilling the promise of your
letter of the 13th, could either be read by
the Secretary, or by a representative of
your Company, & if satisfactory to you,
I will be glad to have your consent for
its publication in the Journal of the
S. Inst., for permanent reference.
I hope these suggestions will meet your ap-
proval, & will be gratified to hear from
you at an early date, as circumstances

29

Dec. 14. 82

REGISTERED IN GREAT BRITAIN AND IRELAND

referred to in yours of the 13th, vice
prospect.

Very truly
Yours,
William H. Gladly
Secretary.

S.S. As a matter of personal interest
I would be pleased to be advised of the
means adopted by you for registering
the current used by each of your
consumers.

W.H.M.

I duly read your favour
of the 14th

Mostly wrote the necessary
reply to this P.L.

1882-10-14

Subject: CARBON BUTTONS.

ALBION STAGER,
President
JOHN M. CLARK,
Vice President
D. H. LINDSEY,
Secretary
Geo. H. BURN,
Gen'l Supt.
F. D. JOHNSON,
Enginer.

Western Edison Light Company,

51 and 53 Wabash Avenue,

DIRECTORS.
THOMAS A. EDISON,
JAMES BIRCHALL,
JAS. B. CHASE,
E. W. CHASE,
SAMUEL MARSHALL,
THOMAS WILSON,
LEONARD HOFFA,
JOHN M. CLARK,
JOHN CHESLEY,
ANTHONY F. SEIBERGER,
E. G. SANDERS.



Chicago, 14th Oct., 1882.

Mr. Thos. A. Edison,
65 5th Avenue, N. Y.

Dear Sir:

The carbon telephons buttons you sent came to hand to day, but were pretty badly pulverized, caused I think by all of the packing being placed on one side and on the other side the buttons were exposed to the board.

If you will kindly send us a few more so they will reach here intact we will forward them to the party at Ludington.

Please accept thanks for the trouble you have taker in this matter.

Sincerely yours,

Geo. H. Bliss

Gen. Supt.

Handwritten signature

Mc

Have given instructions for another lot of carbon buttons to be sent you

Accepted
J. H. G. S. B.

Mount Park Oct.

My Dear Al

Mamma thought
when I was down Monday that
you would be perfectly willing
for me to keep the cows this winter
providing they were an expense
to you, which I think is all
perfectly right, but Neal would
like to keep them, as he thinks
they will bring a better price
in the Spring, and be a help
to me this winter, and he is
willing to take care of them
himself, ^{at his own expense} if
you will consent with your approval please
let me know soon. I hope Mamma
is doing nicely. With love for all
James F. Galt & Co.

24

Oct. 17, 82
Mrs. Sam Allen

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unregistered Messages, beyond the amount of fifty cents thereon, nor in any case where a claim is not presented in writing within sixty days after sending the message.

THIS IS AN UNREGISTERED MESSAGE, and is delivered by request of the sender, under the conditions stated above.

C. J.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
405	C. J. R.	1099	

Received at: 791 BROADWAY.

Oct 18 1882

From *Wellesboro Pa*
 To *Thomas Edison 65 3 Ave.*

*Don't fail to come tomorrow
 Thursday to Belmonte - nine o'clock
 Remenyi*

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRE.

26

Concord Oct. 18, 82

Answer
not to
Oct 18 1882

CHRIST CHURCH,
Bridgeport, Conn.

Oct. 18, 1882

P. G. Edison Esq.

My dear Sir,

I beg to acknowledge with gratitude copies of the Monthly Bulletin issued from your office, and I congratulate you heartily on the immense & universally conceded success of your wonderful discoveries and inventions relating to the Electric Light, as well as in other branches of practical science. If any one has a right to boast in the accomplishment of work of vast

and singular benefit to mankind
& in the splendid fame that is
connected with a triumphant
genius, you are that man.
I am dazzled & bewildered by
the variety and importance
and number of your scientific
achievements. From the time
that you began your studies
on the application of electricity
to safe, convenient & economical
lighting I had faith in your
final success; but you have
surpassed my expectations,
for I did not begin to com-
prehend all the problems
that you had to solve.
Happy man! You have

a chosen honor, wealth & fame,
& I hope that you will live
long to enjoy your glorious
success. With sincere regards,
I am, very faithfully yours,
H. N. Powers.

And to the
no
December 1892
New Haven Oct 18/92

Kindly send
me a set of your 14

Bulletins, I wish to have
them at hand for reference.

I believe I was the first person to
obtain a photographic impression
by the Electric light in Nov 1840

See Am^{er} Jour Sci (William Jewell)

(11) ~~XVIII~~. (1851) It was with a battery
of 900 large mercuric of copper
zinc, and at the time the De
Grove & I studied the phenomena
of the arc between charcoal
points which had never before
been photographed. We used
of course Silver Daguerian

plates, for as often were then used &
this was fortunate as the silver
reproduced the diffusion of + & -

As Dalton's paper could not do,
because I was the first to employ an
Electric light regulator (Delenis)
in this country, about 1845 -

I am often amused to see the prompt
zeal with which my good friends of
the Gas & Journal catch up all the
straws which seem to float on
the surface adverse to the
prospects of the Electric Light. I am
an old Gas man and have no
fears that the Electric light will
destroy the value of Gas stoves,

I said so in my letter from
Paris during the Exposition of 1878
published in the N.Y. World of
June & July that summer &
some persons which are good, as

It appears to me, to day, I ad-
vised our people here to take
the Bull by the horns and
make the lightning their crew.
But it was found that could not be
done without enlarging our franchise
by legislative action. And the
Commercial mind is slow to accept
the lead of science - ready always
to take up the old cry of theoretical
vs practical! which it is not too
much to say mean, often, knowledge
vs ignorance. The potentiality of
Electricity is immense and what
it may reasonably be expected to do
for us in the early future it will
require a bold man to pre-
dict.

Yours truly
P. Billiman

Merriman

President:
 F. W. JOHNS
 Vice-Presidents:
 G. B. SERRY
 Prof. P. H. VAN DER WOUDE,
 C. S. H. BRADY,
 W. S. JOHNSON,
 G. E. COOPER,
 G. E. WARD,
 Recording Sec'y:
 J. M. MORFITT.

New York Electrical Society.

Financial Sec'y:
 SIMON M. DAVIS.
 Treasurer:
 C. E. SWEENEY.
 Executive Com.
 F. W. JOHNS, G. B. SERRY,
 H. W. FOWLE, C. E. SWEENEY,
 E. W. HURLAND, H. W. DORAN,
 E. L. BRADLEY, M. J. DAVIS,
 J. M. MORFITT.

RECEIVED
 OCT 24 1882
 ANSWERED

New York No. 29
 21 1882

Dear Sir,
 The Chief Engineer of
 the Philadelphia Works and in making a
 study of the Thomson arc in the
 City & desire to make you acquainted
 with your Philadelphia works also visit Newark
 Park. (and you make some arrangement
 for next week (after Tuesday) for one
 to bring the arc?
 Please reply.
 Yours truly
 W. J. Johnson

Referring to yours of 11th inst
 There is nothing to see at
 Newark Park as I have closed
 my Laboratory there and have
 again settled in New York. I shall
 be glad to see you here with your
 friends any time. I shall not in any
 way be able to tell you where
 I am now. I shall be able to tell you where
 I am now.

RECEIVED
OCT 24 1892
ANSWERED

Tuesday 24
Oct.

FILE NO. 188

Dear Mr. Inull

Please, let it
know to Mr Edison
that the ^{only} concert
in Philadelphia is
postponed until ~~the~~
Monday the 12th
of November

Very
truly

Edwan Fleming

33

Oct 25. 82

Barker

RECEIVED
OCT 27 1882
ANSWERED

Wm. A. B. 1882
FREE NO. 30
Philadelphia Oct. 25. 1882

My dear Sir:-

Your letter of the 10th enclosing draft of a memorial to the Board of Trustees of Columbia College has been received. It would have received an earlier acknowledgement, but Dr. Draper has not yet returned from the West and we desire to have a consultation with him before proceeding further. He is expected this week and the conference will be held as soon as possible after he returns. We will then determine what more is to be done.

You may remember that on the Sunday we all were in Dr. Draper's laboratory, Mr. Edison said that I ought to have one of his "C" machines and that he would have one sent to me at the same time that Dr. Draper's was delivered. On speaking to him about it a while ago, he said he supposed I had it long ago; that the lot of machines made at that time was all gone; that a new lot was now in the works; that I should have one of them if I would look out and get it when ready; and that I should speak to you about it. He also agreed to have a low resistance armature made for it, extra. And he figured that to give an E. M. F. of 10 volts its resistance should be about 100% of an Ohm. Will you be good

enough to enquire into see this and if you find it is all straight, write you look after the matter and arrange the machine; with the specifications as I speak to me, University of Pennsylvania, when it is done?

Now is the Central Station getting on? I heard this

other day that looking circular in the starting, say for the whole station. I hope something will go straight now and set the wheels up a little.

Yours very truly

George F. Barker

Samuel Knolly, Esq.

Franklin
T. Gros
25/10 1882

My dear Sir, It may not be
so interesting to you to hear
from this part of the Gray
Corner, and I too, should
like to hear more of the pro-
gress science is making at
Marble Falls.

The electric light is begin-
ning to become known even
in the midst of the Alps -
Eight Edison "Glow lights"
and a (300 Candles) Schuckert
'Bogenlicht' have been shown
in a brewery. I send to
you the enclosed account
and Circular of the owner
of the light, Mr. F. Miller
a very able and enterprising
optician in this town.
There is one great obstacle

that prevents the introduction of
the Electric Light. It is the high
price and unreliability of the
lamps we get from Germany,
(\$2 to \$3 - of 1 to \$1 1/2 a piece!)
and no guarantee for time -
The town of Innsbruck could
dispose of several thousands
horse power water, and the
price of Gas 10 cents per cubic
meter (double the price they
pay in Vienna) so inviting
to Electric Light Companies,
that I cannot but wonder
why we cannot get somebody
to make a definite offer.

The reason I think is the
lack of Capital and of true
progressive spirit.

Can you give me an idea of
I. Cost of machinery and
Plant for 300 lamps (6c each,
each)

II. Cost of single lamps (Globe,
Boyaluxes with time of burning
of 1000 hrs.)

III. Have you no Accumulator
or secondary battery you could
recommend?

Who is your agent for the Austria
patents to get the lamps from
Germany or France it costs too
much, the duty is very high. -

I enclose to you also an
account of Edison's Telefor
which I clipped from a Bozen
(Tyrol) paper. Have you ever
read an inquiry into the nature
of the simple bodies of Chemistry
by David Law S. A. S. E. & J.
Edinburgh Adams and Charles
Black 1854, 2

If some real advance is made
please send me some notices
where your researches in that
direction are published, or will
be published.

That Carbon and Polisson may
be one and the same elementary
substance I surmised 20 years
ago, and that the idea of the

existence of its elementary substance
is an erroneous one. I could not
help stating as my belief some
years ago. But how to prove it
is an other question which only
man of original thought like
yourself could solve.

I am highly interested in this question
and should very much like to
learn more about it.

As other question I beg to ask.

Have you ever found Gold chemically
combined with Sulphur or
Arsenic? I mean in natural
Sulphurets or Arsenurets.

I am interested in a Gold mine
in the Gillis valley where the
lead is in a very finely divided
state, together with Sulphurets
and Arsenurets. Some Chemists
for instance W. Albrecht in
Freiberg Saxony (now dead) found
considerable quantities of
Gold in the Sulphurets and some
none at all. Can you tell

me something about it?

Which process do you consider
the best to work the Sulphurets
and tailings?

You have been at work with
these things and can tell me
honestly & positively.

Can Gold exist as a Silicate
of the Oxide of Gold or as a
Sulphuret?

Please give me a few hints
in the right direction.

I know very well that you are
overwhelmed with work and have
no time to answer idle questions,
but I also know that you help
whenever you can and are always
open to scientific discussions.
Please excuse my writing to
you, but I could not help it
to go to bed quarters.

Happy to hear from you

I remain, ever your
Thankful & truly

J. A. Elson
Miner & Metallurgist

A. L. Henry



A. L. Henry,
Consular Agent
of the United States of America

Residence 110 Dimmock
Office

Miner &
Metallurgist

SPaulding, Cotton & Co.
Manufacturing Stationers,
PRINTERS & LITHOGRAPHERS,
24 30th Street.

RECEIVED
NOV 1 1882
ANSWERED
20 Oct 30th
1882

Thos. A. Edison Esq

Dear Sir - We have an
order for some of your Duplicating Saks,
will you kindly put us up with reference
to the price, why it is put up &c or
have you an agent in Boston to whom
we could go for the information?

Yours Truly,
Spaulding Cotton & Co.

RECEIVED
NOV 4 1882
ANSWERED

FILE NO. 27-382

83-37th St Chicago Oct 31, 1882

Thos A. Edison Esq

Dear Sir: I wish to

inquire if you manufacture storage batteries and electro motors, and the cost, weight, and capacity of such apparatus as you make in this line

I shall be thankful for the above and any other information pertaining to such apparatus, as you may be pleased to give, at your early convenience.

Respy your v^d
Chas Nellwood

Do not make
Storage Batts.
We intend make
Motors but not ready yet

Menlo Park Nov 1st 1882

Received of Thomas A Edison \$75.00

Seventy five Dollars for the use of a strip
of land twelve feet wide (as designated
by surveyor stakes) for one year from
November 1st 1882 said land to be used
for the purpose of laying the track of
an experimental Electric Railroad

Witness

John F. Myers

Merulo Park Nov 1st 1882

Received of Thomas A Edes in \$125.⁰⁰
One hundred^{and} Twenty five dollars
for the use for one year from November
1st 1882 of a strip of land Twelve feet wide
as designated by the surveyors stakes in
my two fields adjoining the John Ayers
property running to what is known as
Dark Lane and also through my field
west of the woods to the point where
it adjoins the property of Howard Ayers.

Witness, ~~J. A. Edes~~ Job Corryton.

Menlo Park Nov 1st 1887

Received of Thomas A Edison \$150.⁰⁰

One hundred and Fifty Dollars for the
use for one year from November 1st 1887
a strip of land twelve feet wide as described
by the surveyors stakes, commencing at
J. L. Compton's line and ending at the
Pump Town road said land to be used
for the purpose of building an Experimental
Electric Railroad

RECEIVED
NOV 21 1887

Witness of Edison

A. H. C. Ayer



Menlo Park, N. J.

Burrell & Whitman,

Little Falls,

RECEIVED
NOV 13 1882
ANSWERED

get now 1882

LE No. 447

Thos. A. Edison, Esq.,

Menlo Park, N. J.,

My Dear Sir:-

Has your attention ever been called to the separation of Cream from Milk, instantaneously? Various devices have been used to accomplish this purpose, but none of them have been satisfactory. Milk can be set in pails immediately after being drawn from the cow, and placed in ice-cold water, the cream rising to the surface in three or four hours. The change from the normal temperature of 98° to 38 or 39° produces such rapid currents in the milk that the cream is thrown speedily to the surface, but this process is not adapted to large Creameries where the milk from 600 to 800 cows is brought daily. What is desired, is some effective process by which the milk can be placed in Vats holding 400 to 600 gallons and then treated in such a way as to immediately throw the cream to the surface.

If the theory be correct that the terrific hail-storms which we sometimes have in mid-summer are due to the effects of Electricity, we have thought that milk could be acted upon, instantly chilled, and the Cream thrown to the surface. We know, also, that experiments have been made by Electricians to purify water for the use in boilers, so as to prevent the formation of scale, by sub-



Burrell & Whitman,
Little Falls, N.Y.

jecting the water to the action of Electricity, thereby causing any mineral properties in the water to immediately sink to the bottom, and we understand that these efforts have been successful to some extent, and our thought is, that as there is a difference in the specific gravity of Cream and Milk, that electricity, by its action upon the milk, possibly would cause the heavier parts of the milk to settle to the bottom, and as a consequence, the oily, or lighter parts of the milk would immediately come to the surface.

We know of nothing, Mr. Edison, of greater importance than some device by which cream can be instantly separated from milk, and made practicable for the treatment of large quantities of milk. There are 25 billion pounds of milk used in this country annually for the production of Butter, and but 4 millions of pounds used in the manufacture of cheese. Can you not, in the midst of your very important labors, devote a little thought to an interest which affects the entire farming community of the United States, and in fact, of the world?

Centrifugal machines are used for the separation of cream from milk, but their capacity is limited. The largest and most efficient machines in this country and in Europe, have only succeeded in separating the cream from about 1,000 lbs. or 1,200 lbs. of milk



Burrell & Whitman,
Little Falls, N.Y.

in an hour. Besides, they take considerable power, and this is an expense which all of our factories cannot readily incur. We send you by this same mail our Illustrated Catalogue, Editorial Letter, &c. Will you kindly look same over, and we think you will get an idea of the extent of the dairy business.

I venture the assertion, that although you have had to do with some of the most important problems of the day, that nothing to which you have devoted your attention, is of greater importance or will prove more lucrative than some means for the instantaneous separation of Cream from milk, as we suggest, and we believe that the agent for the accomplishment of this purpose will eventually prove to be electricity. There is no one whose career we have watched with greater interest than we have yours, and we believe that the success which has usually crowned your efforts will be realized if you will but turn your attention to this most important matter. Kindly let me hear from you.

Yours very truly,
D. H. Burrell,
C.

SPaulding, Cotton & Co.
Manufacturing Stationers,
PRINTERS & LITHOGRAPHERS,
24 Milk Street.

RECEIVED

NOV 3 1882
ANSWERED

November 2nd 1882

Nov. 8. 1882

FILE No. 29

Thomas A. Edison Esq

Dear Sir - Yrs of yesterday
is received, Our present order was for but
a small quantity, and we are not fully
posted as to the real merits of the ink, but
if there is any chance to make some money
we are among the anxious ones,

If convenient wish you would let us
know what disposal you would like to make
of it, (and the price,) i.e. the whole thing -
or a right to manufacture only,

Please advise us in the matter

and oblige yours Respy
Spaulding, Cotton & Co.

will supply you with
full directions to make the
ink if you will agree to

pay me a royalty
of eight per cent
on the selling price
of all ink you sell

9/20
Spencer's Letter
9/20
29

Montreal 27th Nov^r 1872.

280 St. Urbain Street

MONTREAL

My Dear Sir,

Yours truly
Geo. Vail

Some years ago as Member of the New York State Exchange W. M. Paleygraph's office - while your were around the Gold Exchange - about 1870 or '71 - I had a weakness for collecting all books on the Paleygraph & Electricity - and other things of the nature - As now living here, and out of the business - thought not lost interest in it & those connected with the early days. I have two scarce volumes I have thought perhaps you might like to possess - one is Vail's History of the American - Electric Magazine Paleygraph - 1875 - how you know very scarce - and the other very curious - not complete but about half only of the same work - proof sheets from the printer - printed on one side only - the other part are on the margin notes by two parties - one in the hand writing of Vail - Now I found it in this City - the book was published by Heath & Boardman of Philadelphia - where it was probably printed - how has did the printer's proof copy - part get here? Your wish - stronger - commands me of my own old friend J. S. Reid - If you are ever engaged indeed towards bibliography - I have other especially scarce things connected with the profession and these little yourself very interesting - On closing I may say I have always had great faith in your ultimate success in Electric Light. Your next great move will be to give us the locomotive! Trusting for a reply from yourself on this matter - I am yours very truly
Geo. Vail



Elect-Motors

OFFICE OF RECEIVED

Dr. Carlos Paremba,

FOREIGN COMMISSIONERS.

FILE NO. 23
Nov. 2 1882

No. 6 West 11th St.

Thomas A. Edison Esq
Newark Park, N.J.

Call & see

me when passing

My dear Sir,

By the advice of your courteous manager here I beg leave to ask you a few questions in regard to generating electro-motive force and its transmission. Suppose my primitive force is a water-power of 200-1000 horse power, destined to raise water by means of a suitable pump to a certain height, could I connect the main shafting of a Leffel double turbine water wheel with a dynamo-electric machine in such a manner, that this additional electric force will compensate for any losses by friction etc? in the pump or even increase the 200 horse power originally generated by the Leffel water wheel?

How large a dynamo electric machine could you build now that would generate power? what would be the price of the same? In how short a time could it be built?

2) How much power would it generate and how far could this power be transmitted by pure copper wire or copper wire with a steel core?

Please send me this information at your earliest possible convenience, accompanying the same with a rough sketch of connection or position of dynamo machine relative to Leffel water wheel.

Assuring you my highest consideration and personal esteem for the great good you have conferred upon mankind, I have the pleasure to be

Your very obed. servt.

Chas. Zarembo



271 MADISON AVENUE.
NEW YORK.

Nov 4 1882

My Dear Edison

I am a member of
the committee of arrangements
for the Spencer dinner which
takes place on Nov 9th. If
there is anything I can do for
you in connection with it please
to let me know. The Secretary
is W. J. Youmans No 1 Bond
St.

Expecting to see you tomorrow
Sunday I am
Yours truly
Ernest Ingersoll

Providence Nov. 4/82

J. A. Edison Esq

Dear Sir

I am having
papers drawn up, which I
wish to submit for your
inspection. Can you see
me on Wednesday next at 10
a.m? Please answer

And oblige Yours Truly,

Wm F. Macomber

49 Haymarket St
Providence

R. I.

10 or 11

28
1-11-6
PATENT OFFICE



Burrell & Whitman,

Little Falls, N.Y. Nov. 6th. 1882.

Mr. A. Edison, Esq.,
65 5th. Ave., N. Y.,

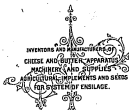
Dear Sir:-

*Referring to yours
of 6th inst Mr Edison
I would like to have a talk
with you when you are next
in New York*

Your kind answer to my letter came to hand Saturday

Morning. I have thought of writing you during the past two years, and only the fact, which I fully appreciated, that you were so very busy that you could probably give no attention to my suggestions, has deterred me from writing. In the mean time, I have used every effort to accomplish the separation of Cream from Milk rapidly, and we have succeeded in taking practically all the butter out of milk in 12 hours, when set in large quantities. I enclose herewith the cut of the Gentrifugal machine which is used in separating Cream from Milk, but it is limited in its capacity. In factories receiving from 8,000 to 15,000 or 20,000 lbs. of milk per day, it is entirely impracticable to use this machine.

In our experiments we have tried condensed air, releasing it into a canvas bag, which covered the entire bottom of the milk vat, the meshes of the bag being sufficiently fine to keep the milk from passing into the bag, but not fine enough to prevent the cold air from passing through the entire mass of milk, but we reckoned without our host, for the effort of passing the condensed air thro' the meshes of the sacking, and up through the milk, counterbalanced



Burrell & Whitman,
Little Falls, N.Y.

results ^{obtained} obtained, and instead of cooling the milk, it raised its temperature.

The value of the butter made in this country reckoned at 25 ¢ per pound, (the present price is now 37 ¢ at the Factory) amounts to 300 millions of dollars, and the value of the cheese made in the United States only amounts to 40 millions of dollars. I give you these figures to show you how immense this interest is. We desire to set from 3,000 to 10,000 lbs. of milk in the large milk vats usually used in our Factories, and to extract the Cream immediately. Owing to the difference in the specific gravity of Cream and Milk, we believe that this result will be accomplished, and we do, again earnestly beg you to give this matter your attention as soon as possible. When I visit New York again, are you willing to talk with me upon this subject? If so, I should be very happy to call upon you. I shall be in the city again in the course of two or three weeks, probably.

Yours very truly,

D. H. Burrell, ✓

C.

We would say that the separation of the cream from the milk is effected in the machine entirely by centrifugal force. Cream is of less specific gravity than milk, and for this reason, in the old system, it gradually separates itself from the milk and rises to the surface. The action of centrifugal force is to throw the heaviest materials furthest from the centre; placing the new milk in a cylinder and revolving it rapidly, the heaviest portion (the skim milk) is thrown to the circumference, and the lighter part (the cream) remains nearest the centre.

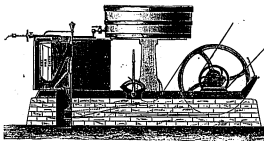


Fig. 1.

This cut represents the machine set up ready for use. As it runs at high speed, it is necessary to have the machine set upon a good foundation. The large machine requires two-horse power to run it, and the small size, one-horse power.

Although many of these Centrifugals are worked with horse-power machines, and do their work satisfactorily, as will be seen by the testimonials appended, yet we would recommend the use of small steam or gas engines whenever it is practicable.

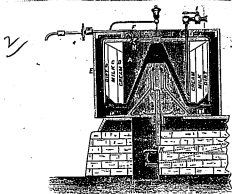


Fig. 2.

This cut represents a sectional view of the working parts of the Centrifugal: *A*, Wrought steel drum in which the milk is separated. *E*, Wrought-iron casing surrounding drum *A*. *O*, The tube through which the new milk is fed into the drum from reservoir. *I*, Cock to regulate the flow of milk. *C*, The tube through which the cream is drawn off. *F*, The tube through which the skim milk is drawn off. *N*, Plate, above which the skim milk rises through small apertures next to the circumference of the drum, *A*; the tube *F*, through which the skim milk flows, is above this plate. *K*, Pulley, by which the power is applied. *L*, Bearing upon which drum *A*, revolves. *D*, *C* and *B* show, respectively, the manner in which, by the action of the machine, the dirt, milk and cream arrange themselves.

The working of the machine is as follows: The new milk is

RECEIVED
NOV 8 1882
ANSWERED

Washington D.C Nov 6 1882

J. A. [unclear]
FILE No. 32

Esq

Dear Sir:

Referring to a former letter of mine upon another subject and your prompt and courteous answer I want to ask you to tell me some things which you must know better than anyone else.

Some gentlemen have in mind to get from Congress the right to use the surplus water of the Potomac, ^{to be} rendered available by the completion of the dam for supplying the Washington Aqueduct. I have advised them that perhaps they can put in turbines under 40 ft. head to get say 1000 H.P. and drive a dynamo, conduct the current 13 miles and reconvert into mechanical energy by another dynamo.

Do you think it feasible?

What would dynamos or dynamos² working 1000 H.P. cost?

What size of copper conductor will be required to transmit 1000 H.P. 3 miles. Would any other conductor be better?

What is the best way of laying or suspending it?

What about the machine at the end where the power is to be used?

Do you want to go in as one of the incorporators?

I hope you will be interested enough in this thing to let me hear from you.

Yours truly

W. L. Baxter M.D.
address Surgeon General's Office
Washington D.C.

To make a pay we should have at least 5 to 8000 hp. if this can be obtained can give you approximate estimate

Baxter
11/16/82

39

29

Columbia College RECEIVED Nov. 7 1882

Nov. 8 1882 ANSWERED
New York

President's Room, N. Y. Nov. 7 1882

Dear Sir,

I yesterday received your important communication proposing the establishment in connection with this institution of a School or Department of Electrical Engineering - a proposition in which you are aware, from former indirect communications, I feel deeply interested. It appears to me that no educational project of equal practical importance has been suggested at any time hitherto, and I am disposed by every thing in my power to put it into working shape.

In conversations which I have
held from time to time with
Prof. Barber, I have supposed
myself to have been made
acquainted with your purposes
in this matter, and with those
of the gentlemen associated
in interest with you; and
I have understood them to
embrace ~~some~~ ^{some} subject I
find no allusion in your
communication, and which
must have much to do in
determining the action of
the Board of Trustees of Co-
lumbia College (to whom I
have referred your communica-
tion) in this matter, or in
settling the question whether or not
they can act at all. I have
always understood it to be
the design of the originators of

this scheme, to provide, by
endowment or otherwise, for
the expense which must be
attended on the establishment
and maintenance of the proposed
school.

The resources of Columbia
College are now strained as
far as they will bear. The
Trustees have incurred a very
heavy debt, and there is
no prospect of relief from
debt for ten or twelve
years to come. Highly as
they appreciate the importance
of a system of scientific
education of the kind
suggested, I feel quite as-
sured that they cannot be
persuaded to undertake
the burden of sustaining
it unaided.

The subject has

been referred to a committee,
of which Messrs. Lee, & Westcott,
is chairman. It could not
be in more friendly hands.
We will undoubtedly early com-
municate with you, and
I should myself be very
happy to converse with
you in regard to the matter,
if any way shall seem to
pursue itself to get over
the serious difficulty in
the way of the success of
the scheme which ~~is~~
I have here pointed out.

Very truly yours
F. B. Jewell

J. A. Edison Esq.

34

Shipman Nov. 8. 92
13 Clinton Pl.

Wm. Sch '92.

Mr. Edison,

Dear Sir:

I am very sorry there has been any misunderstanding about the bill. It is true I had parties for the room but received no compensation whatever. I have now made out the bill for four days. Some members of your family left on Wednesday.

and four were done
until Friday, making
the four days. Trust-
ing this will prove
satisfactory, and re-
questing an early
settlement, I am,

Very Truly Yours
Wm. H. P. Chipman

Draw check
\$100 - Rent
125 Broadway, New York, N.Y.

9th Nov., 1882.
S. Daniel, Esq.,
65 5th Ave.,
New York:—

My dear Mr. Daniel,
May I

remind you that Mr. Edison
has not paid the rent for Nov-
ember upon the Gramercy
Park house. As I am in need
of the money, I would thank
if you will kindly send me
a check for the amount. Be-
lieve me, Yours very truly,
James W. Pryor

No. 219 New York, Nov 10-1882
Received from THOMAS A. EDISON,
From Account 00/00 — — — Dollars.
(Check No. 835-1) November rent for
Furnished house 25 Gramercy Park
James W. Pryor

Subject: CARBON BUTTONS.

1873-11-10

ARTHUR STANLEY,
President.
JOHN M. CLARK,
Vice President.
D. H. LOUGHEED,
Secretary.
GEO. H. BROWN,
Chief Agent.
P. D. JOHNSON,
Exp. Agt.

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTOR:
THOMAS A. EDISON.
ARTHUR STANLEY.
JAMES B. DAVIS.
J. W. DODGE.
SAMUEL MARSH.
HERMAN WILLIAMS.
EDWIN SCOTT.
JOHN M. CLARK.
JOSEPH GREEN.
ANTHONY F. STERNBERG.
Z. B. SWANSON.

CHICAGO, Nov. 10th, 188

Mr. Thos. A. Edison,
65 5th Avenue, N. Y.

Dear Sir:

Some weeks since you advised us that you had expressed a few more carbon telephone buttons to us for the party at Manistee, Mich.

These buttons are for Mr. William Oakley, Manistee and when convenient please express them to him at that point.

He is very friendly to our interests there having been of considerable service to our agents, and besides is spending a great deal of time in working on improvements in telephones.

You will recollect the first buttons sent were broken from improper packing.

Sincerely yours,

Geo. H. Brown
Gen. Supt.

*Write Logan to
send these buttons*

SPauling, Cotton & Co.
Manufacturing Stationers,
PRINTERS & LITHOGRAPHERS,
24 Milk Street.

BOSTON, Nov^r 14th 1882.

Thos. A. Edison Esq

Dear Sir - referring to yours
of the 3^d inst, would say, we have thought the
book matter over, and would like to take hold of
it, but before coming to a definite conclusion, will
you please inform us,

- 1st Shall we have entire control of it -?
- 2^d Shall we be allowed to use Mr Edison's name
in connection with it, ie on the labels, circulars,
advertisements &c?

3^d Does the eight percent royalty on the selling price
refer to what ever we may retail, as well as
wholesale - understand we are not objecting to your
terms, but only want to be clear in the matter,
as it would be considerable work to keep a separate
account of each bottle retailed, would it not be
right, or an easier way to get at it, to take the

SPaulding, COTTON & Co.
Manufacturing Stationers,
PRINTERS & LITHOGRAPHERS,
24 Milk Street.

BOSTON, _____ 188

Wholesale price as a starting point, and then our
books would show just how the account stood, we
are not straining in the above, but it seemed to
me a more simple way of keeping the accounts,
than to keep a separate account of each bottle we
retail, as well as wholesale, *

Have you any circular price lists
&c that would help me in putting the book on the
market, the best manner of putting it up, or how
it has been put up &c;

Yours Respectfully,

Spaulding, Cotton & Co.

* understand we expect to pay the royalty on what is
retailed, but our books will tell how much is made,
and an account of stock, tell how much is on hand, the
difference which is sold, pays the royalty —

Thursday,

Wool.

D. Co.

I have got so far
about the "Alhambra" lots as to
find that the owner is a wealthy
woman, she was waited upon
yesterday, but declined to see the
party — she was then written
upon the subject, and I think
doubt have something by

Friday, Woon.

Yours

Polly Roddy

I understand that the Fire Ins Co
wishes to restore the boundary, which
she does not want —

TIFFANY & CO
GOLD & SILVER SMITHS
UNION SQUARE
NEW YORK

26

Nov: 18. 82
Tiffany & Co.

Mr. C. Edison
Manhattan N.Y.

Dear Sir
We beg to advise you
that we have just received
a very handsome bronze
and marble clock "The Genius
of Electricity" in which we
think you would be interested
and would be pleased to have
you call and see it at your
convenience -

Very respectfully
Tiffany & Co.
N.Y.

Nov 18. 82

You could have the use
It would require an expert, to
work it & it would be audible.

Chicago Ill. Nov. 18 '82
All parts of the Continent
Thomas Edison Co. Theatre
Menlo Park N.J.

Dear Sir,

I take the liberty of
sending you by this mail a copy
of a play "The Phonograph Witness"
which I wrote some time ago which
I hope I may be able before very long
to induce some manager to accept.
I am in hopes the subject may
induce you to read it & pardon the
liberty I have taken in describing
your invention (on paper) without your

clear, sufficiently to cover the require-
ments of the play. It is in view of
this necessity of developing the
capacity of the Phonograph, as I
understand to exist at present,
that I have laid the scene in
the beginning of the 20th century.
If I am so fortunate as to secure
your perusal of the play I shall
venture to ask a further favor.
Will you take note of the fourth
Act & let me know whether the
Phonograph itself could be used
the voices & speech reproduced
clearly & audibly enough to fill
the theater - I have purposely left
that Act so that either the Phonograph

itself could be used or simply an
imitation, the speaking being done
by the Actor themselves concealed
from view underneath the stand.
Another point - in case the phono-
graph itself could be used, would
it not be necessary to obtain your
consent to its use and if so can
I assure any manager who
may accept the play ^{that satisfactory arrange-}
^{ments could be made if you} ^{consent} ^{to} ^{its} ^{use.}
The play is based on a story which
I wrote & published in our own
paper "The Farmers' Review" in
1879.
I trust the receipt of my last inquiry
will excuse this letter and my

25

request for a reply - Nov. 18, 82
Very respectfully,
Geo. W. Rice

P.S. Stamp-addressed envelope
inclosed.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions similar to those which have been agreed on by the sender of the following message. It is not to be sent unless the sender has received a message back to the sending station for acceptance, and the company will not hold itself liable for error or delay in transmission or delivery of Unrepeated Messages, except the amount of money paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message. This is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions stated above.

THOS. T. JOCKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
13	W. A.	Pa. paid	\$16

Received at **79 1/2 BROADWAY.**

May 20. 1882.

Date Phila. Pa. M
 To Thomas A. Edison 65 5 ave

*Did you receive our invitation
 Philada. Tuesday twenty first inst. Can you accept
 its important we should be justified by your acceptance
 telegraph answer on twenty three South Eleventh St
 W H Johnstone Rest*

This telegram has just been received at the office in 79 1/2 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

THOMAS A. EDISON,
MENLO PARK, N. J.

No 23^d. 1887.

Friend Inuall. Mr. Roe was just
here to see me and insists
upon having the matter settled
in regard to his land.

Mr. Compton
says that unless we settle
right away we cannot even
offer his property any longer.
Mr. John Ayers is also anxious
and something will have
to be done right away or we will
have to shut up shop.

Thank you
make a special effort and
raise the money to satisfy
these cultures.

Please have Jimmy
make copies of the four leases
with agreements like the one en-
closed for each of them and
send with checks as soon
as possible. The amounts are

as follows: Howard Ayers \$150.
Joel Compton \$125. Ellis Roe
\$135. & John Ayers \$75.

Please let me know when you
think you can do this. as the
people are very troublesome.
Have ordered a car and will
have the Library put into it
tomorrow.

Tell Johnson to prac-
tice the game of Pool as I
shall be in soon

Your friend
Chas. F. Hughes

Chas. F. Hughes

Ms. A. 9. 2. 8. 1. 1.

20

Washington D.C. Nov 21 1882

Mr. A. Edison Esq

Dear Sir,

With reference
to mine of 6th and your prompt
and esteemed answer of the 8th
I respectfully state that the
available water at lowest stage
is 950,000,000 gallons in 24 hours
and the fall 40 ft. This I com-
pute at a little more the min-
imum mentioned by you viz
5000 H.P.

I shall be greatly indebted for
the estimate for magnets or
magnetos (or rather dynamos)
and the 13 mile conductor etc

Yours respectfully
M. L. Baxter Esq

THE EDGAR THOMSON STEEL WORKS.

GENERAL OFFICE.

Wm. R. JONES, Gen'l Supt.,
P. O. Box 140,
PITTSBURGH.

Bessemer Station, Nov 25th 1882.

J. A. Edison, Esq.
Menlo Park, N.J.

Dear Sir:

You will greatly oblige
if you will give me the names of a
few recent works treating on the subject
of the conversion of heat into electricity.

Very respectfully,

Wm. R. Jones.

Address

Box 500. Baddock, Pa.

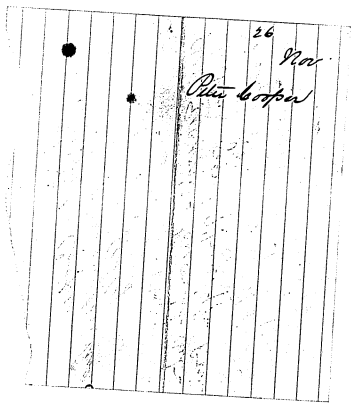
1. n . 2 0 . 1 7 6
" 40 - 20 6 . 1
5 " 6 2 20 - 2 5 1
1 2

Mr. Peter Cooper
9 Lexington Ave
City

at Home

any evening except Sat-
-urday from 7 1/2 to 9 1/2 P.M.

or at Office every day from
9³⁰ to 11¹⁵ a.m.





Burrell & Whitman,

Little Falls, NY Nov. 27th. 1888

Mr. Thos. A. Edison,

65 5th. Ave., N. Y.

Dear Sir:-

I send you by this same mail, Prof. L. B. Arnold's book on American Dairying. On page 122, you will find an article upon milk. On page 126 an analysis of normal milk is given, and upon page 128 is a cut showing how milk appears when viewed in the microscope. Please notice that the size of the Butter globules varies from 1-1500 to 1-4000 of an inch in diameter. Sugar of milk is treated of on page 131.

I think the entire article upon milk will be of interest to you, and in fact, all that part of the book relating to Butter and Cheese. Please inform me upon Postal-Card enclosed whether you receive the book in due time or not.

Yours truly,

D. H. Burrell,

C.

Mr. Edison

The Wrights decline to go to Tarrytown to night on
account of the storm. The Johnsons will not go for reasons which
you already know. The Edisons will not go for reasons which you
know. I have an idea that Mr. and Mrs Clarke will ~~not~~ go.
Your humble servant will also go. Rather an inglorious ending.

I am very sorry.

S. R. Eaton

November 20th. 1882.

per H.C.G.

2

W. H. R. E.

SOCIÉTÉ INDUSTRIELLE ET COMMERCIALE EDISON

Société Anonyme, Capital: 1,500,000 Francs

EXPOSITION INTERNATIONALE D'ÉLECTRICITÉ

Grand Diplôme
d'honneur
PARIS 1881



Ivry-sur-Seine, le 29 Nov.

1882.

J. A. Edison Esq.
65 Fifth Avenue.

New York -

My dear Edison:

The bearer of this note, Mr. Shigeru, of Japan, is a friend of mine, very intelligent, is well acquainted with Electricity, and has many other acquirements. If you can put him in the way of visiting some of our large Manufactories (of course a letter from you will enable him to enter anywhere) he will be much gratified. He is leaving very shortly for Japan and if you want anything doing out there relating to our Bamboos, I am sure he will be happy to give his services -

Please at the same time give him the entrée to the Central Station, so that he can see the working,

Very truly yours
Charles Edison

Shichi Takamine.

29
 No. 2952
 Barstow

Write saying
 Mr. Edison
 Del. to him at the
 Edison Co. Edison
 New York
 I am glad that
 you are well
 and hope
 you are
 happy
 and
 well
 as
 ever
 I
 am
 your
 friend
 and
 admirer
 J. H.

SOCIÉTÉ INDUSTRIELLE ET COMMERCIALE EDISON
 Exposition internationale de Bruxelles 1889
 1887 - 1888 - 1889

Subject: CARBON BUTTONS.

1882-12-01

AMOR STRAGER,
President.
JOHN M. CLARK,
Vice President and Treas.
D. H. LEIDENBACH,
General Manager.
Geo. H. BLAIR,
Gen'l. Asst.
F. D. JOHNSON,
Explosive.

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTORS.
THOMAS A. EDISON.
AMOR STRAGER.
JAC. B. DEANE.
J. W. DOANE.
SAMUEL MERRILL.
HERMAN WALLING.
GEO. KELLOGG.
JOHN M. CLARK.
JOHN CHESBROUGH.
ANTHONY F. BEARDSON.
E. G. SWANSON.

CHICAGO, 1st Dec., 188


Mr. Thos. A. Edison,
65 5th Avenue, N. Y.

Dear Sir:

The carbon buttons for the party at Manistee came to hand in good shape this morning and have been forwarded to destination.

Please accept thanks for the attention you have given this matter.

Sincerely yours,


John M. Clark
Gen. Supt.

Dec 2. 82

Dear Sir

I have been around a great deal but can not report any success as yet.

The Alhambra property, on 27th St, is not off for a right to lease and I told you, and I have no offer for longer than 2 years, I wrote^d that if that time could be doubled it would be considered.^d

I have 2 persons quite looking around, and if nothing occurs during the next two weeks, I will recommend a change of operation.

Yours truly
Prof. Dodge

Edison Bldg

29

Spaulding Cotton Co

BOSTON, Dec^r 2^d 1882

Thos. A. Edison Esq

Dear Sir - Did you
receive our letter in answer to
yours of Nov^r 3^d with reference
to the Duplicating Ink, and royalty,
on the same?

Yours Respectfully
Spaulding Cotton Co

We accept your offer of the 3^d int
but our glory was with reference to
the points we write about. S. C. Co.

RARITAN TOWNSHIP, N. J. TAX BILL FOR 1882.

Page 565

Road District No. 15

Mr. Thomas A. Edison

YOUR TAX FOR 1882 IS AS FOLLOWS:

ASSESSED VALUATION:		POLL	1 00
REAL ESTATE	6 000	DOO	50
PERSONAL	3 000	COUNTY	54 00
TOTAL		TOWNSHIP	8 16
DEDUCTIONS		STATE AND SCHOOL	32 40
MORTGAGES		POOR	12 60
DEBTS		ROAD	18 00
AMOUNT TAXABLE	9 000	DISTRICT SCHOOL	
Per Centum, \$1.20 per \$100.		AMOUNT	\$ 126 60
Poll, Dog, and District School Tax, extra.		Less Road Receipts	06
MORTGAGES, N. J. OCT. 1, 1882.		BALANCE	\$ 126 66
Taxes are now due, and if not paid before		MOS. INTEREST	
December 1, 1882, the same of the delinquency		COSTS	
will be returned to a Justice of the Peace for			
prosecution, and interest at the rate of 12 per			
cent, and costs, will be added.			
The Commissioners of Appeal in cases of tax-			
ation, will meet at Holton's Hall, Metuchen, on			
Tuesday, November 20th, 1882, at 10 o'clock, A.M.			
Taxes will be received by appointment, as			
follows—November 15th, at J. O'Brien's, Grand			
Hills, from 11 to 12 a. m.; same day, at Dunham-			
ton, from 12 to 4 p. m.; November 16th, at			
New Durham, from 10 to 12 a. m.; same day			
at Post Office, North Park, from 2 to 4 p. m.			
November 17th, Shelton, (Dover) from 10 to 12			
p. m.; same day, at J. C. Shale, Pleasant-			
Town, from 2 to 4 p. m.; November 21st, at			
Mrs. Bay's Hotel, New Brunswick, from 2 to 4			
p. m.; at Holton's Hall, Metuchen, November			
21st, with Commissioners of Appeal.			
Manning Fraeman, Collector			
Dec 5 1882			
Received Payment,			
Collector.			

12 66
16 65
142 50

"Metuchen Inquirer" Post.

RARITAN TOWNSHIP, N. J. TAX BILL FOR 1882.

Page 570

Road District No. 15

Mrs. Mary Edison

YOUR TAX FOR 1882 IS AS FOLLOWS:

ASSESSED VALUATION:		POLL	
REAL ESTATE	12 00	DOO	
PERSONAL		COUNTY	7 20
TOTAL		TOWNSHIP	1 108
DEDUCTIONS		STATE AND SCHOOL	43 32
MORTGAGES		POOR	1 68
DEBTS		ROAD	2 40
AMOUNT TAXABLE	12 00	DISTRICT SCHOOL	
Per Centum, \$1.20 per \$100.		AMOUNT	16 68
Poll, Dog, and District School Tax, extra.		LESS ROAD RECEIPTS	
MORTGAGES, N. J. OCT. 1, 1882.		BALANCE	
Taxes are now due, and if not paid before		MOS. INTEREST	
December 1, 1882, the same of the delinquency		COSTS	
will be returned to a Justice of the Peace for			
prosecution, and interest at the rate of 12 per			
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p. m.; at Holton's Hall, Metuchen, November			
21st, with Commissioners of Appeal.			
Manning Fraeman, Collector			
Dec 5 1882			
Received Payment,			
Collector.			

"Metuchen Inquirer" Post.

When we next
write I will
give you

27

Barber

Cincinnati Dec 5th

Prof Edison

Dr Sir

May I presume on old
acquaintance during your
residence in Cincinnati and
address you as "Friend Tom"
and say 73 - I have been
an operator in his office
Western Union - since you left
which has been quite a while;
I have married and have two
children - what I wanted most
in addressing you was this -
I am getting tired of Telgding
and thought that probably
with your assistance I might
be able to enter some other
field of industry - where I

Could gain a livelihood?
If you in your many
Enterprises could think of any
position I could acceptably fill
I would be under many
obligations - I presume you
Remember me Gene Baker
and my brother Will - also
my Mother-in-law El Giddland
who is (by the way) married
again and doing well in
Indianapolis - I am not in
any way an Electrician but
am a fair Operator - of
all the old ops of your
Recollection have either died
or left here very few of
this rising generation of young
ops here. Remember you
I almost am alone in
this respect - I would
Esteem it a Great favor -
If whether you look or

not anything I could do.
If it is not trespassing on
your valuable time if you
would answer this letter
if only to say 73-

As I
should like to keep it as
a Souvenir of yourself
and Old times - and point
out to my boys what industry
and perseverance leads to -

Hoping
to hear from you when
convenient

I subscribe myself

Your Old Friend

Engene Baker

355 Central Avenue

Leicester

O

Y^{rs} Dec. 5. 82
Loren

Am^d Dec⁵
Brookhaven, Dec. 5. 1892
Thomas A. Edison, Esq.

A son Sir:

At the November meeting of the Columbia College Trustees a special committee of five, of which I am Chairman, was appointed to confer with you with reference to the subject alluded to in your communication to the President of the College. Absence from town prevented me from writing to you earlier.

As I am a very busy man and you know, I would ask whether you cannot do with

me some evening within the
next 10 days, or say ~~about~~
Dec. 19th, so that we can
tack the matter over in all
its aspects at our convenience.

I will be glad to keep you
overnight if it suits your
pleasure. Unless I can
meet you in the days I
can only ask you to make
an appointment with me at
the Mayor's office some
morning or afternoon.

Respy,
Wm. L. Howard.

It occurs to me that it
will be better for us to
meet first, and I will
call my committee together
afterwards.

P.O. BOX 3329.

NEW YORK REVIEW

TELEGRAPH & TELEPHONE

23 PARK ROW
ROOMS, 14 & 15.

answered
Nov 6 - 1882
R

ADDRESS ALL COMMUNICATIONS TO
GEO. WORTHINGTON,
TELEGRAPH & TELEPHONE,
23 PARK ROW, N. Y.

New York, Dec 6, 1882

Samuel Ingham, Esq. Private Secy.

My Dear Sir;

Will you be kind enough
to inform me at what hour I can
most conveniently have short interviews
with you at your office 65 Fifth
Avenue or if it is convenient at
any time you are down this
way to drop into my office here
or at my house in the evening 26
Living Place

Very truly
Yours

G. Washington

Dear Sir

In reply to yours of this date I
shall be glad to see you here any
morning between nine & ten o'clock
Yours truly

P.O. BOX 3329.

Madison Park -
New York

NEW YORK REVIEW

TELEGRAPH & TELEPHONE

THE EVENING JOURNAL

Personal

233 PARK ROW
ROOMS 14 & 15

ADDRESS ALL COMMUNICATIONS TO
GEO. WESTINGHOUSE,
EDITOR & PROPRIETOR.

New York, December 7, 1882

of Thomas A. Edison
My Dear Sir:

I would like very much to submit for your consideration a proposition concerning the publication of this journal for a few months which is briefly this, to enable me to make purchases in the market of paper and printing materials at a saving of one third of what I am now obliged to pay for want of funds at the present time which I am now obliged to pay for as I am able to collect from the revenue of the journal, I want to give you ample satisfactory security for the advancement of a loan which will enable me to carry my customers who are advertising largely with me and at same time have a small amount of funds to conduct the paper with and take the advantage which the market offers.

I shall gladly reciprocate also laterally in any way I can. You may wish to see the matter in my edit. I will do my best to settle all matters.

NO. 3329.
 WHERE ALL COMMUNICATIONS TO
 THE EDITOR, WASHINGTON,
 Editor & Proprietor.

NEW YORK REVIEW
TELEGRAPH & TELEPHONE
 PUBLISHED WEEKLY
 23 PARK ROW
 ROOMS 14 & 15

New York: _____ 188__

in making my purchases, which I have not perhaps been able to do too many about as I have had to rely upon the revenue of our advertising debt, wholly a large portion of which is payable only quarterly and many of my creditors take a long time. I have been obliged to fight this thing through on my own resources wholly from the pocket beyond what you have so kindly accommodated me already and I have found that to carry from \$1000.00 to \$2500.00 due me in accounts, while I am obliged to make purchases and pay cash subjects me to continual inconvenience, as I am entirely alone and unsupported in this matter. I really know not on whom to call hence beg to submit this for your advice. I will give every dollar in my power to raise the funds & will pay a liberal interest.

Very sincerely,
 Yours,
 G. W. Wainwright.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed to by the sender of the following message, or delivery of the message, before the amount of such cash message, and the company will not hold itself liable for errors or delays in transmission. This is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions named above.

NUMBER	SENT BY	RECD BY	CHECK
144	Wm	SJ	

NORVIN GREEN, President.

Received at **791 BROADWAY.**

Dated, Bway & Sec 8 1882
 To, Thos A. Edison 62 Sixty two & fifth ave
"Personal"

Have recommended miss Lenoire to send all these opera secondaries to Bergman to be.

Repaired & charged genl Foster has just telegraphed him to come or send a competent

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed to by the sender of the following message, or delivery of the message, before the amount of such cash message, and the company will not hold itself liable for errors or delays in transmission. This is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions named above.

NUMBER	SENT BY	RECD BY	CHECK

NORVIN GREEN, President.

Received at **791 BROADWAY.**

Dated, Sec 8 1882
 To, Man to Consult here about them
don't say we have spoken of them before
tell ott also answer
J. B. Fern

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.



26
Murray's Office
Lido by Express
Brooklyn, N. Y. Dec 1. 1882
Thos. J. Thom Esq.

Dear Sir:
The Mayor deems me to
say that he much anticipates
the pleasure of seeing you
here on Wednesday next, at
3 o'clock p.m.

Very truly
yours
H. A. H. H. H.
Secretary.

SUBJECT

MISSOURI AND KANSAS TELEPHONE COMPANY.

E. T. GILLILAND, Pres't.
J. R. MULVARE, Vice Pres't.
C. D. CRANDALL, Sec'y and Treas.
E. L. SMITH, Gen'l. Mgr.

47 Water Building.

PERSONAL

Kansas City, Mo. Dec. 11th. '82. 158

*answered
here p. 10*
Thos. A. Edison, Esq.,

5th. ave.,

New York, N. Y.

Dear sir:

Will you please advise me if you have in existence, a correct photograph of yourself that can be secured for the purpose of hanging in our offices here?

If you will advise where such a picture can be secured we will order one immediately. By so doing you will greatly oblige.

Yours very truly,

C. D. Crandall

Secy. & Treas.

Anderson

Large Size

Referring to your favour of 11th inst I have no large photographs of myself or would send you one. I have however ordered some & as soon as I get them will send you one

Memorandum

SOCIÉTÉ ÉLECTRIQUE EDISON

Société Anonyme Capital 1 million de francs

PARIS, le

11/12/92

M. J. A. Edison Esq

Dear Sir:

Enclosed please find translation of a "goak"
in the New Free Press which Mr. Bailey desire
me to send you.

Very respectfully yours

H. J. A. Edison

Extract from the Neue Freie Presse of Vienna, of
December 5th. 1882.

They write us from London that a great agitation exists at the present moment among laundry-men and women, produced by the invention of the Edison shirt, which is attributed rightly or wrongly to the Wizard of Menlo Park.

It is evident that as a result of this invention laundresses will completely disappear, and it is probable that within a very short period we shall admire as a phenomenon in one of the halls of the British Museum the last of the laundresses with her last stove.

We are told that the secret of this shirt consists in the material employed, which, from appearance, equals linen.

Each shirt is composed of 365 very fine layers, which can be detached one after the other, so that one can have a new shirt for each day of the year.

For Leap-years special shirts are made with 366 layers.

It is probable that the aim of this invention is the propagation of general cleanliness, for the Journal from which we get the news says that the greatest advantage of this shirt is that the owner of one, after having worked during the day in a coal mine, can go the same evening to a dance in the same shirt.

Answers
Dec 15 1882
OFFICE OF
JAMES KITCHEN,
COMMISSION BROKER,
70 CEDAR STREET,
N. Y. Box 9413.

29
Kitcher
New York, Dec 13th 1882

JAMES KITCHEN,
ALBERT FRANGE.

My dear Sir,
I desire to have a
business interview with
you - at your earliest con-
-venience -

Will you kindly name
the time and place for
the same, & oblige

Yrs truly,

Wm Kitcher
Thomas A Edison Esq^r
Menlo Park
New Jersey

Referring to yours
of 9th inst I shall be
glad to see you at
above address any

time convenient to
you. If I am not
in my Secretary,
Mr Insull will
tell you where to
find me.



*File
Crown
1/1*

Allen's Mayors Office.

Brooklyn, N.Y. Dec. 13. 1882

Mr. Howell
Dear Sir

My dear Sir: In response to your
note of this date, the delay of
myself next Wednesday at
the same hour (3 P.M.)
for the conference with Mr. Edson.

If he does not consent
the contrary, he will assume
this will suit Mr. Edson?
Commeuse.

My friend
H. H. Allen
Secretary

Barle's Hotel,

ONE OF THE BEST HOTELS IN NEW YORK FOR THE TRAVELING PUBLIC.

ELEGANT IN APPOINTMENTS.

Centrally Located and most Economical in Prices.

CORNER CANAL AND CENTRE STREETS, NEAR BROADWAY,

New York, Dec. 13 1882

Friend Edison

Your Contract
has been due since June
24, 82. Has the Taxes paid
by me December 1881.

Please let me know
when you can pay them.

Remmit me
kindly to your wife.

Respectfully yours

A. M. Boyat

27, Park Place

New York City



Andrew's Art Gallery,

→ PORTRAITS ←

IN OIL, GRAYON PASTEL, WATER COLORS & INDIA INK,
No. 683 Broad Street,

*all right
answered
Klein*
Newark, N. J., 14 Dec 1882
Thomas A. Edison Esq. P. O. D
Dear Sir

You may remember I saw you a few weeks ago, in order to enable me to complete in a satisfactory manner a portrait of you ~~hope~~ of which being on exhibition as above, the portrait has been seen by several parties who know you & who speak highly of it. If agreeable to you I will send it over for your inspection early in the coming week.
I remain very truly
Yours
J. Andrew



Art Gallery,

TRAITS←

IN OIL, GRAYON PASTEL, WATER COLORS & INDIA INK,
No. 683 Broad Street,

*all right
answered
12/15*

Newark, N. J., 14 Dec 1882

Thomas A. Edison Esq, P.M.D

Dear Sir

You may remember I saw you a few weeks ago, in order to enable me to complete in a satisfactory manner a portrait of you.

~~hope~~ ~~of~~ ~~your~~ ~~being~~ on exhibition as above, the portrait has been seen by several parties who know you & who speak highly of it.

If agreeable to you I will send it over for your inspection early in the coming week.

I remain very truly
Yours
Andrew

Referring to yours
of 14th inst. I shall
be glad to look
at the portrait
you refer to any
time you may send
it over

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P.O. BOX 3329.

Tele. No. 153

1882-12-15

NEW YORK REVIEW



Personal

ADDRESS ALL COMMUNICATIONS TO
GEO. WORTHINGTON,
EDITOR & PROPRIETOR.

222 PARK ROW
ROOMS 14 & 15

New York, Dec 15, 1882.

Samuel Insull Esq
My Dear Sir,

I hope that ^{the} trouble you
were suffering from with your face
has not been so serious as to lay
you up yet I fear such may have
been the case if you had had
my not hearing from you concerning
the matter I shall be sorry for you.
I beg to say in this connection
one word upon which I know you
will kindly consider when you reach
it. If you can possibly effect such
arrangement through ^{my} selection or the
Deerepay ^{company} which will enable us for
a very short time to carry our
operations without the serious inconveni-
ence now laboring ^{with} shall be not only too
glad to cooperate by placing the columns
of the Review at your disposal as

P.O. BOX 3329.

NEW YORK REVIEW
TELEGRAPH & TELEPHONE
LIT. & THEAT. JOURNAL

23 PARK ROW
ROOMS 14 & 15.

ADDRESS ALL COMMUNICATIONS TO
GEO. WORTHINGTON,
EDITOR & PROPRIETOR.

2
1882-12-15
New York, _____ 188

well as carrying any advertising gratis
which you may need and supply the
place of your bulletin if possible
but if you willing to pay
not only intend but a bonus for
the accommodation. You are of course
aware it is the hardest thing in the
world for a journalist to receive money
for any newspaper enterprise as there
has been so very many failures, I
do not know today who to go to
for a dollar aid here from the first
worth to this enterprise alone beyond
the help so kindly advanced already
by the professor of which you are aware.
But to pay daily current expenses and
at the same time carry from one
thousand dollars due me from
my advertisers with a capital so
small has greatly incumbered me,

P.O. BOX 3329.

NEW YORK REVIEW
TELEGRAPH & TELEPHONE
PUBLISHED WEEKLY

23 PARK ROW
ROOMS 14 & 15

ADDRESS ALL COMMUNICATIONS TO
GEO. WORTHINGTON,
EDITOR & PROPRIETOR.

J 1882-12-15
New York, _____ 188__

as these people will not pay
in advance for such advertising
with me, in the New York Herald or
any established journals they may
be forced to do so but we have to
humble them with gloves to secure
their patronage to a great extent at
present a fair hence it will be
very different. The Review is absolutely
an assured success (not susceptible to
much improvement, editorially of course) and
has been since May last, as we can
demonstrate to you from our contracts
and books it is now paying at
an average rate of our forty per hundred
dollars a year much more than the expense
as you will notice we reached on
our 1st Edition seven pages of closely
arranged adv'to which we shall be to
hold and increase. I do not mind and

P.O. BOX 3329.

NEW YORK REVIEW
TELEGRAPH & TELEPHONE
LITERARY JOURNAL

23 PARK ROW
ROOMS, 14 & 15

ADDRESS ALL COMMUNICATIONS TO
GEO. WORTHINGTON,
EDITOR & PROPRIETOR.

1882-12-15
4
New York, _____ 1888

I shall not expect this kindness on your part without ^{paying} a fair personal remuneration to yourself and the Professor for I know you must have with your large faculties and increasing demands upon you a heavy load also to carry that your acquaintance financially is better than mine you know a thousand times, I hope. My greatest ambition now is to publish a series of articles that will put a few nails in the coffins of these gas monopolies and I should like to have secured the services of contributors who are competent to do it. You will say this is a long story, I hope you will take it in sections that you may not suffer a relapse.

Yours truly
Geo. Worthington

5881
Rochester N.Y. Dec 18. 1872

Thos. A. Edison Esq.
New Jers.

Having heard that you
were the Editor of a paper
called "Grand Trunk Herald" I
take the liberty to ask you if
you have a copy you can spare.
If you can possibly grant the
above request you will greatly
oblige a young lad.

Yours Truly
Maurice Strauss

Have no copies
would like to get
some for myself

Respectfully
to your name
for the graph Co

Prof. J. H. Case
1882
The Dec 14

I have an old second
hand photograph which
I exhibit in connection
with my lecture on electric
light. It does not give the
satisfaction I would like.

If you please let me
know where I can get a
new set at reasonable
figures.

I have just tried one
of your small incandes-
cent lamps which I tried
to light last night with
Galvanic Battery of six
cells. Failed.

Please let me know where

I can get a friction machine
(portable) that will run
the lamp & Gauss's
smallest engine (which
I have).

The people think hardly
any thing impossible for
J. A. Edison to do.

Very Respy

Yours,
N. A. Robertson

P.O. BOX 3329.

NEW YORK REVIEW
TELEGRAPH & TELEPHONE
PUBLISHED WEEKLY
23 PARK ROW
ROOMS 14 & 15

ADDRESS ALL COMMUNICATIONS TO
GEO. WORTHINGTON,
EDITOR & PROPRIETOR.

New York, Dec'r 19, 1882

Samuel S. Knell, Esq.
My Dear Sir;

Referring again to the
note of \$750.⁰⁰ and memorandum of amounts
to cover same, which I left with you,
I intended to say yesterday that I
wish to deduct from above amount
the note \$50.⁰⁰ due the Professor in a
few days, I think about January
10th this, we would leave but \$700.⁰⁰ net
less interest & your charges which is
all I desired to receive from it
for the purposes I mentioned in
my long letter to you.

Very truly yours,
Geo. Worthington.

Anderson's Art Gallery,
→ PORTRAITS
IN OIL, GRAYON, PASTEL, WATER COLORS & INDIA INK,
No. 683 Broad Street,

Newark, N. J., 20 Dec 1882

Thomas Edison Esq. Ph.D

Dear Sir -

Agreeably to your
kind permission I send the
portrait for your inspection
It is done in Pastel
I with 18 K Gold frame
Glass &c is good
value for one
hundred dollars.
I will wait upon you tomorrow
Hoping it will be approved
I remain your truly
J. Anderson

FRANK L. POPE,
DANIEL W. EDGECOMB,
HOWARD S. BUTLER,

OFFICES OF
POPE, EDGECOMB & BUTLER,
[Successors of FRANK L. POPE.]

ASSOCIATED WITH
BALDWIN, HOPKINS & PEYTON,
WASHINGTON, D. C.

Solicitors of U. S. and Foreign Patents for Electrical Inventions.
Experts in all proceedings in Electrical Patent Causes.

32 Park Place, New York.

~~Dec 20th 1882~~

Thos Edison Esq.

Dear Sir:

Your note received. Mr. Pope is away,
Montgomery on Friday. He will probably reply as soon
as he arrives at the office.

Yours very truly
Pope, Edgcomb & Butler

1882

THE EDISON COMPANY
FOR ISOLATED LIGHTING.

Please address reply
to the underlined name.

26
GENERAL MANAGERS OFFICE,
65 FIFTH AVENUE.

Bruce
New York, Dec 20th 1882

*answering
letter*

My dear Sir

If you can find it
convenient & agreeable, I
very much wish for a
private interview, prior to
Jan 1/83. *Propose to meet*
you elsewhere than in this
office

Very truly Yours
Wm S. Bruce

*Am at Laboratory
Every day*
Edison

THE EDISON ELECTRIC LIGHT CO.,
FIFTH AVENUE.

New York,

Dec 21 1882

Dear Mr Johnson,

Can you tell me yet
when I can reckon on
the batteries? I am very
anxious to have them soon
now and Mr Cate keeps
cabling me about them. I
am sorry to trouble you so
much, but I suppose it is
better for me to come
direct to you than in
a roundabout way.

Yours very truly
Nathan Edison

C. H. LEWIS,
HAYSTACK OFFICE,
46 SEAR'S BUILDING.

Cape Jellison Land Office,

ROOM 24, MILLS BUILDING

New York, December 21, 1882

B. H. Lewis

Prof Thomas A. Edison

Dear Sir:

You wished
me to remind you about taking
out the Polyform Patent. You said
it could be ready in thirty days
Committee here is so to have
it by the time of our adjourned
Annual Meeting about Jan. 10th I
believe I shall consider it a
favor if you will hurry it up

Respectfully Yours

Chas. H. Lewis
24 Mills Bldg

My Dear Edison

What shall I say to
Miss Lenoir? - Had you
not better have marsh-
test all the Batteries?
& see if there is not at
least 4 or 5 that we
can make go? It would
be a card for us -
& I want to continue
the present kind
Relations with the
in question Yours

12/14/82

E. J.

answered
1888

17th Nov 17/82

W Edison

Please read & say what
to reply to Bill Baker
Perhaps it would be
just as well for
you to contribute
an ~~X~~ towards buying
this man

In all please
card ⁱⁿ X
Edison

W. H. Baker Esq.
Western Union Telegraph Co

Dear Sir, 195 Broadway

At Mr. Larsons request
I enclose you herewith
\$10 towards defraying expenses
connected with sending Mr. Knight
to England.

Yours truly

26

Dec. 20. 82

J. Larsons

answered
Dec 26, 1887

Executive Office
Western Union Telegraph Company

New York Dec 18th 1887.

My dear Mr. Johnson.

Yours of 14th instant enclosing check for \$10.00 to be applied to the fund for expenses of Mr. Knight to Europe was duly received. - Please accept my thanks for your kindness.

I know how deeply it will be appreciated by Mr. K.

We expected to send him off last Saturday, but a severe attack of illness on Thursday prevented making the arrangements. - If nothing prevents he will start next Saturday. - I find some difficulty in raising the necessary amount, but hope to have it completed soon. - Did you show my letter to Mr.

Edison? Will he help us?—

We have all found it necessary to help him before and that fact together with the flattery of our press makes it desirable that this last subscription be as general as possible.—

Hoping that you and yours are enjoying good health, and again thanking you for Mr Knight and myself. I am,

Yours truly,
W. H. Raker

Will let me know about Edison.

26

Dec. 18. 87
Baker
Edison

Very truly
yours

Rowland A. Hazen, President.

Robert W. Blackwell, Secretary.

The Gramme Electrical Company.

115 Broadway.

TELEPHONE "200-NEW"
CABLE ADDRESS "GRAMME"

SHAREHOLDERS.
THE AMERICAN ELECTRIC CO.
THE BRUSH ELECTRIC CO.
THE EDISON ELECTRIC LIGHT CO.
THE FULLER ELECTRICAL CO.
THE JARLOCHOFF ELECTRIC LIGHTING CO.
THE UNITED STATES ELECTRIC LIGHTING CO.
THE WESTON ELECTRIC LIGHT CO.

New York, Dec. 22, 1882

Dear Sir:

In reply to your favour asking for information concerning the financial standing of the Force and Light Company, and of Mr. E. B. Whiting. I have no positive knowledge, and, apart from the Commercial registers, know of no means of ascertaining, nor do I think they could be applied to with wholly satisfactory results, since they have recently sought information from this office. —

I have reason to believe that Mr. Whiting is a man of substantial fortune, and in prosperous business. He has made some speculative business ventures, involving loss, but not serious loss.

I have reason to believe that he has paid for his stock, in the Light and Force Company, and that but little, if any, other

27

Stock has been paid for, and that the foreign proprietors have undertaken to alienate a majority interest, which will lead to litigation. Mr. Whitings interests are in the hands of Everts, Southman & Choate. The Company has been making some purchases of patents, for dynamos and lamps, and is now seeking alliances, either to perfect a complete system, in rivalry of the Brush arc-Swan Luceandence-Brush Storage Systems, or with a view to the establishment of a manufactory of accumulators - for the supply of its junior companies. - notably a New England company, and a Railway Lighting Company, both of which include some good names, neither of which have done anything. Whiting, so far as he is informed concerning the Brush accumulator, does not find ground to charge an infringement, Brush, on the other hand, states, in substance, that while he does not use any part of Lauré's system, he

3/
ante-dates Jaine, in the invention
described in 252,002, and which
not using it himself, does not in-
tend that Jaine shall do so.

I regret that my information
is not more specific upon the par-
ticular subject of inquiry.

Yours faithfully

Ronald R Hayward
— President.

To
Mayor S. B. Eaton
President.

P.S. I have frequently asked Messrs. Gore
and Phelps, representing the Lane-Fox
patents to call upon you, and have
today repeated the request. It is
possible that some of his devices may
interest you.

R.

Columbia College,
New York

President's Room, Dec. 26, 1882.

My Dear Sir,

A component of a system asks me the following two questions, which I am unable to answer. I do not know, in fact, whether your previous has yet settled the point of them. As to the second, I suppose that the distance is, and maximum with parallel wires, and minimum with wires at right angles; but I would feel greatly obliged to you if you would give me your opinion as to both.

1. What distance should be maintained between double wires appearing, as used for electric lights (Pulleys) and telegraph, or telegraph, and wires [?] has covering any thing to do with the question? along streets, to avoid ground induction or injury to the cables?

2. Is there any greater danger

of interference by induction or other
cause, whether the lines are parallel, under
or over each other, or at right angles
under or over each other?

The only reply, with regards, Edg.

Yours Very Truly,

J. A. Edwards.

P. A. Edison, Esq.

The amount of disturbance
to a telephonic wire by
induction from an electric
light wire depend first
upon the quality of the current
given off from the dynamo of
intermittent or not very
continuous. It will effect the
telephonic wire. The induction
will be at the square of the
distance from the induction
wire = $\frac{1}{d^2}$ $\frac{1}{d^2}$ will have
trouble with telephonic wire
on same plan with E. & W. wire.

read by Edg. from Elg.

P. O. BOX 1184.

Providence Telephone Co.

(LICENSED BY THE AMERICAN BELL TELEPHONE CO.)

HENRY HOWARD, Pres't.

H. C. CRANSTON, Vice-Pres't.

CHARLES T. HOWARD, Sec'y and Treas.

J. W. DUXBURY, Sup't.

ROOMS 24 AND 27 BUTLER EXCHANGE,

Providence, R. I., *28* 1882

Dear Mr. Edison:

I have just returned from
Boston and find your telegram.
Am about to start for home
and can only say that we will
do all we can and that Mr.
Cranston and I self will confer
with you next week.

Very truly
Yrs.
H. Howard

ALL LETTERS TO BE
ADDRESSED, AND CHEQUES
MADE PAYABLE, TO
R. O'VOY, CARTE,
Business Letters must NOT be
marked "private" or "personal."

1267 Broadway, New York

December 29, 1887.

E. D. Johnson Esq.,
C/o Messrs. Kugman & Co.,
108-114 Wooster street, City.

Dear Mr. Johnson:

Many thanks for your letter. I am sorry
nothing could be done with the batteries, but
I dare say it will turn out the best in the
end, as I hope we shall have something much
better than they have at the fair. I shall
try and take the opportunity of calling on
you and Mrs. Johnson, as you kindly
suggest.

Edison

now let
little
come

to
Batteries
right
do

your
will
do
it

to
you
will
do
it

to
you
will
do
it

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE.

NEW YORK

19th Dec 1888

Clarke

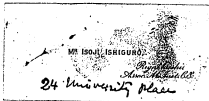
The gentleman
who left this will
call tomorrow about
9.30.

Inuall

Mr. Inuall

This being attended
I return the letter

Ed Clarke



SOCIÉTÉ INDUSTRIELLE ET COMMERCIALE EDISON

Société Anonyme, Capital: 1,500,000 Francs

EXPOSITION INTERNATIONALE D'ELECTRICITE

Grand Diplôme
d'honneur.
PARIS 1881Ivry-sur-Seine, le 29 Nov
1882.Charles L. Clarke Esq.
65 Fifth Avenue
New York.

My dear Clarke,

The bearer of this
 Mr. Higuro of Japan, is a friend of mine
 and a man of very high intelligence -
 He, during his passage through New York,
 you can facilitate, in any way his intro-
 duction into any of our great American
 Industries. Your kindness will be much
 appreciated -

His desire, during his short stay is to gain
 as much knowledge as possible.

Believe me
 Yours very truly
Charles Edison

P. O. BOX 1184.

33

Providence Telephone Co. 2982
Howard

(Licensed by the American Bell Telephone Co.)

HENRY HOWARD, President.
H. C. CRANSTON, Vice-Pres.
CHARLES T. HOWARD, Sec'y. and Treas.
J. W. DUNBAR, Sup't.

ROOMS 24 AND 27 BUTLER EXCHANGE,

Providence, R. I., Dec. 29, 1887

Dear Mr. Howell:

I have not a moment
to say of how telephone
transmitter substance of
your telegram. He has
been here today with

Dean. Remember he
was in Ex. last eve.

I am planning how
best and soonest to
again increase our
capabilities.

Yours truly

H. Howard

It will be safe to say
I am in N. Y. next week
H.H.

34

Andrew's Art Gallery,

→ PORTRAITS ←

IN OIL, GRAYON, PASTEL, WATER COLORS & INK

No. 683 Broad Street,

Dec 30, 82

Newark, N. J., 30 Dec 1882

Dear Sir,
I send
my friend Mr Dawson
over with seven eggs & boxes
containing so that if the
portrait is approved —

He will place it in
position whenever desired;
I shall be happy to —

Consider \$75 full payment
Respectfully
Yours

Wm. J. Andrew

SPENCERS, GUYTON & CO.,
SCOTT'S BROOM MANUFACTURERS,
STATIONERS,
PRINTERS & LITHOGRAPHERS,
24 N. B. STREET.

BOSTON, Dec. 20th 1882

Thos. A. Edison, Esq

We have an order for one doz.
bottles of the Duplicating Ink, which we
agreed to furnish to our customer when we
rec^d your letter of Nov. 8th stating that we
could manufacture the ink on a royalty, which
offer we accepted, we have written you twice
since then but got no answer, will you please
inform us if you have concluded to do it, and
if so, tell us where we can obtain the 12 bottles
for our customer? he is out of ink, and wants
our answer whether we can furnish it or not,
an early reply will greatly oblige us, as it is
for one of our best customers, whose doing a million
dollars worth of business, and we want to keep our
words with them if possible, Yours Truly
Spencers, Guyton & Co.

Edison
26 West Thirty Ninth Street
New York

Major S. B. Eaton
65 Fifth Ave.

Edison
New York

General Sherman
Edison
New York

The "Blaine House", in
Sandusky - & we will
be with him at breakfast
next morning - Better
yet - get him & Seal-
Anderson together & let
them go in company
Anderson will go by
Lake RR - 6 P.M. from
Chautauq St. & 5th St
from 23rd St. - Saturday
next - you will go
to train & introduce
them - the fishing
at Pelee just now
is superb - all black
bass - & I presume
it will be good next
week - I would like
to know to-morrow
whether Mr. Edison

My dear Major:

I wish
you would, for me and
in my behalf - extend
to Mr. Edison a cordial
invitation to join me
fishing party to Pelee
Island - Canada. I am
going to Chicago Friday
morning, 26th inst -
and our party will leave
Chicago for Sandusky,
Ohio - Sunday evening
28th, arriving there

Monday morning the
29th. We have a
steamer charter &
will sail for Pelee
about 8 o'clock
Monday morning - reaching
there in time for noon
dinner - We will
remain there until
the following Saturday
morning - returning to
N.Y. on Sunday -

Genl John G. Anderson,
Mr. Elliott of Brooklyn,
or possibly one of two
others will leave here

next Saturday evening &
join me at Sandusky.
If Mr. Edison will
go - he can take
the 6 P.M. train
to Erie R.R. for
Buffalo - changing
there for Lake Shore
R.R. & arrive in
Sandusky at 2 P.M.
Sunday - or he can
go to N.Y. Central
train - leaves about
same time in the
evening - If he goes,
let him stop at

Alan Watson -

I send a message or ask
with this, because Mr. Gunnis
wants to know this P. M. so
that he can wait for a boat
& man for you - I sincerely hope
you will go. Gen. Anderson is an
elderly man - Elliott I don't
know - Sheridan & Stager you
know all abt - Do go. Sent word
to me that you will, & I will

attend to all details -

S. H. Eaton

Thurs. Noon.

P. S. This Mr. Mc Guinn is
John Mc Guinn, whom
you met at Florida.
He is a partner of
Fearney, whom you also
met - He is an old
& intimate friend of mine -

From Jamaica
London

Our Company agreed
for India Australasia
Capital £200000 A
£100000 B. These proportions
necessitated by Stock
Exchange rules
Profits equally between
A & B. after six per centum
cumulative to A; vendors
receive all B and £50000
cash unconditionally,
Purchase money half
for India; half for
Australasia. Good
Board with Messrs
Sweedale chairman
will issue Company

Saturday if Waterhouse
has agreement ready
Everybody objects
limiting improvements
closed to five years
no conditions exacted
about new inventions
but Company surely
ought have right to
improvements at
agreed price on
arbitration so long
as working original
patents half capital
on these terms guaranteed
before issue success
certain Reply promptly

Shall not get
cost of patents

Goumands writes
under date 14th May
about a retention
of £52500 before
of Charles get
dividends but evidently
this abandoned account
to cable

Norway Sweden Portugal

A Syndicate pay over
Rem² out of fund proceeds
from sale of patents cost of patents
then cost of installation & then
balance to be divided with

Peace helping in
India & Australia
Broad principally
of Eastern Cable
people.

Dear Edison

I am going tomorrow Sa-
turday at 4 p.m. to Col
Jagersoll - Long Beach -
I told him 3 days ago to
I will ask you to come
with me, he was prople
pleased. to want it
you can do it.
try it for us -
an answer are at
once to my place
if you can come - You
don't know what plum
you would give

The Edison Electric Illuminating
Company of New York,
65 Fifth Avenue.

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Levealing

New York,

188

J. M. Edison Esq

Dear Sir,

Several years ago you published an account of some experiments you had made with what you called 'Etheric Force'. Since that time I have made several interesting experiments in the same line and have found a means of transmitting telegraphic signals with it. I showed these results to Mr. Bachelet at Paris and he advised me to call and see you on the subject when I returned to New York. If you consider the thing of sufficient interest please address me, Care of Professor Elisha Gray, Highland

gentle, steady, early set
Park, Ill. I leave for there
this evening.

Yours

F.M. Cushing

(1882)

Inventory of Furniture at Grammy Park

Fourth Floor Front.	Open Attic.
Single bedstead (painted)	Bureau (recovered)
Bureau with marble top	Gas fixture
Wash-stand	
2 hair-cloth chair (used)	
Cane-bottom chair	
Looking-glass	
Corner shelves (bl. wal)	
Feather-bed	Fourth Floor Back (East)
Palliasse	Double bedstead (painted)
Boylete	Bureau (painted)
Pillow	Wash-stand with marble
Ring	top,
Ewer	Wooden chair
Basin	Looking-glass
Slop-jar	Ewer
Soup-dish	Basin
Chamber (blue & white)	Soup-dish
Window-shade (green)	Chamber
	2 slop-pails (tin)
	Window-shade (green)

Fourth Floor Back (Middle)

Single bedstead (iron)

Wash stand

Bureau

Cane-bottom chair

Rush " "

Looking-glass

Ewer

Basin

Soap-dish } white

Slop-jar

Chamber

Slop-pail (tin)

Match safe "

Window shades (green)

Small table (mahog.)

2 feather-beds

2 palaces

Bolster

Pillow

Strip myrtle carpet.

Fourth Floor Back (West)

Single bedstead (iron)

Bureau

Mahogany hair-cloth chair

Table

Feather bed

2 palaces

Bolster

Pillow

Chamber

Slop-pail (tin)

Third Floor Front

Double bedstead (rosewood)

Wardrobe "

Bureau with marble top

(rosewood)

Dressing-table with

looking-glass and

marble top (rosewood)

Mahogany with marble

top (rosewood)

Arm-chair

Hair mattress

Fallases
 4 Pillows
 Carpet (wgram)
 4 window shades (white)
 2 gas fixtures
 Esate
 Blower
 Hearth pan
 Dongs (steel)
 Poker "

Small pitcher
 Cup
 Tooth-brush holder
 Chamber with cover
 Match safe (iron)
 2 Window shades
 Gas-fixture brass
 Globe (glass)

} pink
 and
 white

— x —
 Third Floor Back
 Double bedstead (mahog.)
 2 bureaus (veneered, one
 with glass)

— x —
 Third Floor Hall-Rm.
 Washstand with
 marble top (rosewood)
 Looking-glass (tbl.
 walnut frame)
 Dressing-table (mah.)
 Shaving-stand (rosew.)
 Carpet (wgram.)
 Ewer
 Basin
 Soap-dish

Wash-stand (painted)
 Leaf table (mahog.)
 3 chairs (")
 Shaker rocking-chair
 with cushions
 Window-box (chintz
 covered)
 Hair mattress (in 2
 pieces)
 Spring-bed.

} pink
 and
 white

4 pillows
Carpet (ingrain)
Bureau

Bureau
Soap-dish
Small pithle
Cup
Tooth-brush-holder
Saucer
Slop-jar
Chamber with cover

2 window shades (white)
2 gas-fixtures
Grate
Blower

Hearth-pan

Third Floor

Bath Room
Carpet (ingrain)
Match-safe (wooden)
Soap-dish (white)
Paper-holder (tbl. w/aly)

Third Floor Entry
Carpet (ingrain)
Gas. fixture (brass)

Second floor front.
Double bedstead (ash)
Wardrobe "

Bureau with looking-glass and marble top (ash)
Chest of drawers "
Commode with marble top (tbl.)
3 Cam-bottom chair "
Sofa
2 foot stools (carpet)
Hair mattress
Spring bed
4 pillows
Carpet (Axminster)
Chamber
Lambrequins (clinty)

(1881)

Mantle Lambrequin

Portieres (chintz)

4 window shades (white)

Clock (bronz)

2 gas fixtures (brass)

Chandelier (brass)

6 globes (glass)

brass

Hearth-pan

Second Floor Middle

Single bedstead (cherry)

Wardrobe "

Bureau with glass "

chest of drawers "

Wash-stand "

2 cane-bottom chairs "

Sofa (rosewood)

Seivel-mats (cherry)

Foot-stool (carpet)

2 sofa cushions

Hair mattress

Paliasee

4 pillows

Carpet (Brussels)

Over

Basin

Soap-dish

Small pitcher

Blue
and
white

Second Floor Front

Hall-Room.

Table (ash)

Commode (bl. walu)

Rocking chair (ash)

Seivel-mat (ash)

Looking-glass (Brussels)

Carpet (Brussels)

Lambrequin (chintz)

2 window shades (white)

Gas fixture (bronz)

h-lobe (glass)

Cup
 Tooth-brush-hold^{blue} and Blower
 Sauer^{white} Hearth-pan
 Chamber and cover
 2 ga. fixtures (bronz)
 2 globes (glass)
 Urate
 Blower
 Hearth-pan
 Songs (brass).

————
 Second Floor Back
 Hall Room
 Single Bedstead (bl. wal)
 Wardrobe (painted)
 Dressing table with
 looking-glass and
 marble top (painted)
 Commode with
 marble top (painted)
 Hair mattress
 Paliasse

————
 Second Floor Back
 Dressing table (cherry)
 Table " "
 2 cane-bottom chairs
 3 chimney-covered " "
 Sofa (rosewood, chimf) 2 pillows
 Wall-pocket (bl. wal) Carpet (Brussels)
 Carpet (Brussels) 2 window shades (white)
 2 ga. fixtures 2 ga. fixtures
 Chandelier (French fil) 3 globes (glass)
 3 globes (glass)

Second Floor Entry.

2 Carpets (Brussels)
2 gas fixtures

Second Floor Passage Anderson (brass)

2 pieces carpet (Brussels) 4 curtain-rods
with rings.

First Floor Front

Library-Table (bl. wal.)
Sea-table (black)
4 chairs (satin-covered)
2 arm-chairs " "
2 sofas " "
Mirror

Mantle mirror

" Lambergen (satin)

Ring

Red filling

3 portiers (matching furniture)

2 pair curtain (Madras)

2 window shades (buff)

Slip-covers (chairs)

Chandelier (brass)

2 gas fixtures

16 globe (engraved glass)

Fender (brass)

Anderson (brass)

4 curtain-rods
with rings.

First Floor Middle

Piano (sq. blacking)
2 bookcases (bl. wal.)
Small table (black)
2 stuffed chairs

2 Stuffed arm-chair
Sofa
Piano-stool
Carpet (Axminster)
Sht-cover (white muslin)
4 gas fixture (bronz)
Chandelier "
14 globe (cristal. glass)
Drop light shade

Pair lace curtains
2 window-shades (white)
Chandelier (bronz)
5 globe (ground glass)
Clock (black marble)
2 vases (bronz)
Figure "
Lurate
Blower
Hearth-pan
Dogs (brass)

X

Dining-Room

Extension-table (rose-wood, with 4 leaves)
Table (mahog, leaf)
Per-table with marble
Sideboard (bl. wal, with bl. top)
Mirror
Eight chairs (bl. wal, leather cov.)
Carpet (Brussels)

X

Hall Slony front entry
Hat-rack (bl. wal.)
Hall-seat (" ")
Hat rack (iron)
Chandelier (7 globe / 24 globe (ground glass))

First Floor Back Entry

3 oil-cloths
3 gen. fixtures
Folding-Screen

Front Basement

Table with marb. top
Book-case (veneered)
3 stuffed chairs
Wooden chair
Chandelier (brass)

Kitchen

Extension-table
Leaf-table
Small "
3 wooden chairs
2 clocks (wooden)
Mach. safe (tin)
Gen. fixture
Oil-cloth

Laundry

Stone
Table (mahog., leaf)
2 wooden chairs
Looking-glass
Oil-cloth

(1881)

Stow-Room and

Kitchen fixtures

- 4 oil-cloths
- 2 gas-fixtures

— x —
Cellar

- 2 gas-fixtures
- Rubber-hose
- Coal-shovel
- Ash receptacle (brass)

— x —
Single bedstead (oak)

- Cotton mattress
- Palinca
- Pillow
- 2 brass drop-light

1882. Edison, T.A. - Accounts (D-82-005) [not filmed]

This folder contains trial balances and other draft account sheets that were used in entering information into journals and ledgers (see Accounts Series).

1882. Edison, T.A. - Advice (D-82-006)

This folder contains unsolicited correspondence suggesting improvements in Edison's inventions, asking him for advice on technical matters, or requesting his assistance in improving or promoting an invention.

Approximately 10 percent of the documents have been filmed. Most of the documents selected for filming received a significant response by Edison.

Blank No. 1

THE WESTERN UNION TELEGRAPH COMPANY.

The Company transmits and RECEIVES messages only on condition, limiting its liability, which have been accepted by the sender of the following messages. It is not responsible for any error or delay in transmission or delivery of messages.

The Company is not responsible for any error or delay in transmission or delivery of messages.

By W. W. Leggett and delivered by request of the sender under
A. N. RECEIVED, Secy. 591 NORVIN GREEN, President.

Date: Jan 9 1882

Received at **791 BROADWAY.**

To Thomas A. Edison
63-5 Ave

READ THE NOTICE AT THE TOP.

Is it yet practicable
to train under ground
wires for arc lights
answer quick

W. W. Leggett

It is very difficult and
expensive but is of course
possible T. A. Edison

IF THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wire.

Depute
Jan 25

THE HONORABLE THE SECRETARY OF STATE

101 BROADWAY

READ THE MOTION IN THE MORNING

It is moved that the
Secretary be authorized
to procure a copy of
the same for the
Secretary's office

101 BROADWAY

NEW YORK

Idaho Aug
Jan 1882

Montgomery

To Mr. Tho Edison

So Early in your experiments
as known by the Public I read
in the World that power was
necessary to obtain electricity
for lighting purposes - also
motion - Now how far can
Electricity be obtained from the
motion of Car wheels for the
purpose of lighting the cars -
on rail roads - if obtainable
can it be utilized - I know that
the light would cease when the
motion ceased - but could there
not be something to hold motion
enough to ride over the stoppage
I think I seen, 1875 read that
something of that kind had been
constructed - either in France or
England - I know nothing of

Electricity or its management
am not situated so as to affirm
if I did know - And not able
if I was - but the idea has
been hovering in my 66
year old head - for some time
and, if the idea or suggestion is
of any value I have no right to
keep unless I can use it
So I write this to you who is
acknowledged by all to be ~~more~~
skilled in all that pertains to
that science

I remember when I was young
seeing a lamp burn very near some
wood cadding machinery - and was
told that it was to burn the
electricity caused by the amount of
the machinery - could not then
be sufficient of the current be
obtained from the swiftly moving

belts to light some workshops
or factories - you may laugh
at the conceit but but, instances
have been of ideas coming from
a source as ignorant as this
probably is but if there is
nothing of a in the idea do
not make public a part of
the good will of an old man
with respect to
Thos Ed Montgomery

Woodstock
Ulster Co N.Y.

since writing the above a fearful
accident has occurred on the H.R. Railroad
and now can there not be some arrangement
made by which rays of light like a
flock of electricity be projected in
the air at regular intervals that
can be seen at a distance like lightning

Legación de España

COMISION DE LA MARINA

ESPAÑOLA,

EN LOS E. U. DE AMERICA.

P. O. Box 3398, New York.

Recd
2/11/18

Thomas. A. Edison. Esq.
65 Fifth Avenue.
New York

Dear Sir:

The long felt want of a speedy and practical way for two vessels communicating with each other by night under any circumstances, can, I think, be very easily accomplished by means of your electric lamps. The idea struck me ever since I saw it, and I have been devising plans to arrive to that much desired end. I think I have lately hit upon a very easy way not only for doing it, but for adopting a system of electric light flags, so to say, and moreover, that will enable any vessel to give its nationality and name as easily as in day time; nay, more plainly ^{that} in day time in heavy weather.

The adoption of a system of electric light flags or any device for claiming a nationality

can only be accomplished by way of diplom-
the action through a joint agreement of the go-
vernment of all transatlantic nations; and I
think, that if my plan would have the Confe-
rent approbation, silent or public, of such a
learned and world famous electrician about the
feasibility it would be more in my power,
by my official position, to call forth this action
on the part of my government than in your
private capacity alone. The adoption of my
plan, or of any other that could accomplish
the object I aim at, would be of great bene-
fit to the merchant community at large, and,
no doubt, to your benefit in particular and to
mine also.

Should you think the idea worth of any
consideration, and could you dispose of some
minutes to exchange ideas about the plan

I would be very glad to call on you at any time
yours very respectfully

Juan N Montoya,
Commandr. of the Spanish Navy
Naval Attaché to Spanish Legation

Spanish Consulate General
29 Nassau St
New York

66068 Readp

New York
July 3rd/82

Mr. Edison Esq
N.Y.C.

We desire some information about Electric Light which no one of the office we have approached has seen with regard to

We want a light for photographic purposes which will exactly equal the sun's light on a clear day. Can you tell us what candle power that would be.

Excuse our intruding on your valuable time.

Yours truly
Edison Esq. Leo

[ATTACHMENT]

Incandescent lights provides light of such low refractibility that they do not act with any degree of prominence ^{critical} to the silver and therefore Arc Light would be the only suitable for photographing

Miss [unclear] [unclear] No 1 [unclear] /

1882

Plainfield, Ind., Feb. 21, 1882.

Prof. Edison.

New York, N.Y.

Dear Sir:

It has often occurred to me many times that inasmuch as the telephone has succeeded ~~in~~ why can not the same principles be applied to stethoscopes, so that we may be able to hear the normal and abnormal sounds of the organs of the chest in heart and disease. If in your judgment this might be done and you should apply it, I would be glad to see the result.

Doctor

P.O. Box 154 Plainfield, Ind.

Manufactures N.Y.
May 1, 1852. -

Don't believe James
would do what you say
I am sure
C. B. Smith

I think I wrote to you a year
or more ago that I had invented
& perfected a Trenching Machine
by which I can rapidly and
with economy (as it is say against
human labor) dig deep and narrow
Trenches. - I have often dug trenches
8 feet deep & 3 to 4 inches wide &
have a Steam Machine that is built
to dig 4 feet deep & 6 inches wide. -

I need not call your attention
to the fact that the displacement
of Earth is reduced to a minimum
& that no hand-labor can do similar
work. -

Upon this Steam Machine I have
expended six or eight thousand dollars
(supplementing many other earlier sums)
but the weight of the Engine and
Bridges prove too much in getting
down, nor can the best Mechanists help
me further. -

May I trespass upon your
time & patience to let me know of your
opinion the same or other accumulators

Can be successfully Applied to any "Trench"
- which weighs say 4 tons - is set upon
6 wheels of 16 inches face each - and
has been run by an "Eight horse" Engine.
It goes forward - cutting & delivering a cubic
yard of earth in one or two minutes. -

If from your Experiments in propelling
Cars by Electricity are open to outsiders
I would be very glad to witness any ex-
hibition you may make. -

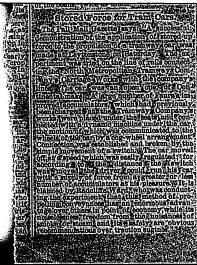
My belief has been that Underground
Telegraphy would supersede the present
System at an early day, & I believe I
have the only Machines that were simple
& cheap, cut deep & narrow trenches. -

I secured the only prize for such
or kindred Machinery at Phil^a. (Centennial)
& at the Paris Exhibition. -

Had I not believed you would be interested
in any apparatus helpful to the Underground
System I should not have troubled you with my
Enquiry. -

Thomas A. Edison Esq
Menlo Park -

My try from
Geo. F. Randsall



*Answered
to May 31*

HOUGHTON FARM,

EXPERIMENT DEPARTMENT,

Mountainville, Orange Co.

NEW-YORK,

May 8 1882.

Write to

Prof. G. F. Barker

Dr. Thomas Edison, *who I think has had*
something in the
My dear sir; *line,*

We are desirous of obtaining some instrument by which we can obtain and record the hourly variations in the temperature of plants and soil, and you naturally occur to us as the one who can probably supply what we wish. Electricity seems to be the most desirable means of getting the record, but the proper construction and arrangement of the apparatus needs more expert hands than our own. If you will inform us as to the possibility of your undertaking the construction of the apparatus, we can discuss the details and conditions involved later. If unable to undertake the work, will you kindly give us the address of some competent party? A reply at your early convenience will greatly oblige

10

1882

Yours respectfully,

J. P. Rusk

Botanist & Chemist to H. F.

~~Small thermo Galton's
may be placed in the
Earth properly protected
and wires run from
them to the laboratory
attached to galvanometer~~

New Haven Conn

May 31/82

Thos A Edison & over 50 inventors
Menlo Park N.J. are at work on the

Could you not
arrange a device for a telephone call, so as to
avoid ringing the bell for any except the
party wanted by a plan similar to the clock
work when you wish to correct the striking -
In this case if you move the wire quickly you
can run the apparatus over a number of notches
designed for the succeeding hours provided you
do so quickly - an instant pause & the striking
part commences to operate - On this plan if
you had 10 audacates on one wire, and
wanted No 6 - you would cause the wheel to
revolve rapidly over 5 notches & pause when No 6
would sound - ~~if corner all above would strike to~~
another device such as is attached to a Marine
Chronometer to show how long since it was wound
might I think be arranged so that if a person
was absent when called it might show by a
printer that the bell had been rung say
once or more, & the subscriber could then
announce his return & ask what was wanted

Yours most respectfully
Wm S. Booth

87
R. J.
Aug. 17th
Miss Pender

Sir,

I am a stranger
to you & have
no right to ask any
favor. But I think
you will grant the
one I venture to ask
if it is possible for
you to do so.

I am a member
of a Society for the
Protection of Animals
the quietest of

the killing of animals
for food ^{is the most}
 humane manner
 discussion in the land
 One member having
 asked that killing
 by Electricity be
 commended. But
 there is a want of
 information on the
 subject. They wish
 to know how & when
 this method has been
 tried, & how success-
 ful the experiment
 has been. How it
 should be done etc.

If you would be so
 very kind as to give
 me the necessary in-
 formation on the
 subject, or if you will
 direct me to any
 book on the subject
 where I can obtain it
 I shall be very thank-
 ful, & I think it
 may be the means
 of saving much suf-
 fering to poor dumb
 animals.
 Trusting you will
 excuse the liberty I have
 taken I remain
 yours with great respect
 Mrs G. F. Reed

P.S. If you should
kindly answer this
please address

Mrs. C. F. Bond
Newport

R.I.

This will find me
as we have a box in
the Post office

70 - 1 - 5 8
100 - 6 - 286
412 - 6 - 181
412 - 1 - 0 6



The method you receive
 suggest all the main things
 that are in the market
 with your name
 and address
 1892

RECEIVED
 Oct 25 1892
 ANSWERED

It is an entire stranger to me, and I do not know
 without even the formality of an introduction
 showing the great value of your time, I shall
 at once state my object in writing to you,
 having seen scores of articles in the newspapers
 and references to your many brilliant discoveries
 in response to articles to which I am
 highly interested in the Danish timber trade
 of which I understand in this Colony there is not
 a very large quantity, I have for years
 been troubled, as it were, with the idea that
 such timber trees might be felled by the
 agency of Electricity, and thus save the labor of
 scores of men, and I feel sure if it could be
 done by any process that would cut down
 the trees without splitting and destroying the
 logs at a moderate cost, than by procuring

A patent an immense fortune could be made
in this Colony, besides bridging over the labor
difficulty,

when attending professor Piffers lectures
I have observed in some of his experiments
that he would turn off the Gas and thus darken
the lecture Room, and send a current of
Electricity along a wire that would instantly
attain an intense white heat; now the Question
is could this wire be utilised in such a
way as to cut down a tree in much the same
way that a Crisp Cut saw does, - or would
the tree coming in contact with the wire
immediately act as a Conductor and thus
scatter the Electricity, and thus end the matter
or could the Electricity be confined to the
wire by any process and thus prevent it
being lost, and if it could be so confined
would the heat be sufficiently powerful to
burn its way through a log in a short
time, (Burr may not be the correct term) I
have known lightning smelt an iron bar
on a ships Mast when the smelted iron drops

to the back of the Paper like Bullets, and as
Electricity will thus cut its way through Iron
I assume it would through wood, would the
Electricity cut its way ahead of the wire that
conducts it, if not would the heat do weaken
the wire that if it touched the tree I little
presume would Break it. - personally I have
no Knowledge of the Subject whatever or I
might see the absurdity of writing this letter,
Nevertheless it always seems to me since
I saw the experiments before mentioned that
if a wire was stretched on a wire frame
as per sketch would be about the idea, but is
there any method of storing up up electric
in such a way, as to send a Continuous
Current along the wire so as to keep travelling
round & round on a Circuit and then cut its way
into the log till cut through or would the tree
at once act as a Conductor and carry off its electricity,
I have seen the Cells in a Telegraph Office and
can see how cumbersome they are, I feel sure if
it can be done that your fertile Brain could
conceive a way to do it, - I saw an account

36
Aug 28 1882
Simpson

Some years ago in the Scientific American of
A. D. whose name I forget having succeeded
in sawing some deal Boards by Electricity
but how it was done, as it was not stated I
have no idea, if the matter I have mentioned
is impracticable I have to ask your pardon
for intruding myself on your patience, but if
anything could be done there is A Grand opening
here, — I could have sworn that saws
and drills have invented A steam cross cut
saw for tree falling, but it is at best a
cumbersome affair — I have seen Gun
Cotton, Dynamite &c all tried but all
were complete failures.

In conclusion I again trust you will pardon
the liberty an entire charge takes in this
writing about ^{what} practical men may pronounce
as propositions, but in these go ahead days
outdoors like myself hardly know where to
draw the line.

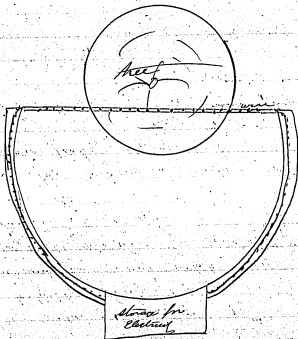
I have the honor to be

Sir

Your Most Obedient Servant

George Simpson
Newman B. P. Co.

10



W. G. WILSON, PRESIDENT
 G. J. HARPER, SECRETARY
 H. W. McCUNE, TREASURER
 J. H. SHELTON, CHIEF MANAGER

MANUFACTORY
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WILSON SEWING MACHINE CO.
 ADDRESS ALL LETTERS TO
 THE
 WILSON SEWING MACHINE CO.
 255 & 257 WABASH ST. CHICAGO, ILL.

In your answer to this letter refer to the above number.

Wilson Sewing Machine Co.

NO. 255 & 257 WABASH AVENUE

Chicago, Illinois, U.S.A.

Oct 10 1882

Thos J Edison Esq
 Menlo Park N.J.

Dear Sir,

We have recently re-modelled the Wilson Oscillating Shuttle Sewing Machine so that it is now as far in advance of all other sewing machines as the Telephone is to the speaking tube. It is unsurpassed for doing a large range of sewing, for simplicity of parts, and for durability. We are arranging to have some of the best mechanical experts in this country examine it, and give their opinion of it, such men like Edward A. Knight, of Knights, Dextenray fame, &c &c, and, as you are as well known as any one we know of, we would like to arrange with you to examine it, and give us your opinion as an expert mechanic, therefore, if you

Wilson Sewing Machine Co

Oct 10 1882

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an disposed to do so, will you please advise me by
return mail, stating what you will charge for this
time you will necessarily have to spend on it will not
exceed a couple of hours.

Yours truly

The McAlister Machine Co.

5-10-10
u
u

Referencing to your letter of the 10th inst & enclosing an order for
have no knowledge of selling
machines and am therefore
unable to comply with
the request as I must
be unable not to offer
that I do not sell
of the best mechanical
the country experience in
of such work the General
A return of the
business can only be done
arrange with you for
specimen can be supplied

Hardening Carbon
Lamps
to use in
the
Lamp

36
Nov 6th / 82
RECEIVED
NOV 8 1882
UNANSWERED
E. H. WILSON
J. M. W. S. 1882
FILE No. 36

Thomas Edison

Dear Sir,

I have taken the liberty of
addressing this note to you, to ask
you a question bearing on what
Oblig. me. I would ask you
if by Hardening Electric Light
Carbons would it make them
of more service, by giving them
a longer life while burning, also
would they by their increased
density give a more brighter
Light, also a more steady
Light I would say I have
tried some that has been hardened
and they were in use about
several hours with no change
from bottom to top of the Lamp
I would state if you would
which to try a Pair in your

own works at Ingle Park
I should be very glad to treat
a pair if you would please
allow me to buy them from
you not having any by my
own hoping I have not
troubled you too much

I should be glad to hear
from you in Auburn to my quiet

Please Oblige Yours Respectfully
Robert Wilson

Ashland Box 197

Chungking, C.

Pa

Answered
1882

U. S. - Gen. New York, Dec. 18, 1882.

Thomas A. Edison, Th. D.,

Edison Electric Light Company.

Dear Sir:— you will, perhaps, recall
several visits from me as the representative of the
Lunns. I address you now, with many apologies for
trespassing upon your time, because I have an idea
in my head which, I think, may be made a source
of profit to ourselves. It is to adopt a new princi-
ple in the construction of the incandescent lamp, by
means of which the electrical energy required may
be reduced to one half what is required to produce
the same light on the voltaic principle. You will
remember, possibly, constructing a small arc lamp
for me about a year ago, which I fitted as an in-
candescent lamp with success. I have at present nei-
ther the facilities nor the health to carry on any more
experiments; but I have satisfied myself that a
steady and effective incandescence can be produced
in vacuo with one-fifth the energy required upon
the principle in use, and that, by certain modifica-
tions in the internal structure of your lamp, the
question of successful competition can be settled in
favor of electrical illumination.

Now, what I have to propose is this. To enter
into a contract with you, as you possess the re-
quisites for doing so, to construct a lamp from
drawings I will furnish, patent it in our joint
names, and to manufacture and sell ^{name} without ref-
erence to any light company; you, of course, as

being celebrated in this field, to ^{have} precedence of man in the taking out of the patent — if, after doing the principle, you should find it as available, as I am certain from my researches that you will.

By this means a new impulse can be given to the electric light, which is just now at a discount in consequence of reports affecting its economy as compared with gas; and the gas companies can a gain be put on the expensive. Don't imagine, please, that I am commencing or speaking on insufficient grounds. Before Henry Dwyer died I laid the plan before him and persuaded him to assist me in verifying its value. As a mere experiment it has also been verified by others, who did not apparently perceive its bearing on the subject of economical electric lighting. I am very sure, therefore, of my experimental grounds in the matter; what remains is to construct the lamps, put them in circuit, and demonstrate the possibility of applying the principle on a large scale to the production of incandescence, and I know of no one to whose facilities and ingenuity I care to entrust it, except yourself. My name is not familiar to the public in any field except that of microscopic research; besides, my health is too broken, and my energies are too exhausted, to undertake the practical working out of the idea.

A letter in care of the New York Express will be sure to find me; and I am sure you will not regret six months from now having listened to a suggestion from an outsider.

Very sincerely yours,

F. G. Fairjells, Ph. D., U. Z. Coll. Vet.

Sergeants.

1882. Edison, T.A. - Articles (D-32-007)

This folder contains letters requesting Edison to write articles; correspondence relating to articles about Edison or his inventions; and letters from journalists seeking to interview Edison.

All the documents have been filmed except for a few routine letters relating to electrotypes.



D. VAN NOSTRAND,

PUBLISHER, IMPORTER AND BOOKSELLER,

23 Murray and 27 Workin Streets,

P. O. Box 1111.

New York *Feb 2* 1881

Same Encl by
my dear Sir

As I am
uncertain what cut
it is you desire I return
you by messenger all
that are not in use -

I still have 2 sets,
one for use in the "Science
Series" & the other set
I loaned the newspaper
"Electric Light"

"The Operator" is
to reprint the magazine
article next week & are
to use cuts which I had
loaned them, Happy
New Year Yours truly
D. Van Nostrand

Insell

You have not sent
me that electrolyc of plate
2 Kambostrand - Mr Woodbury
book is going to press and
he wants it at once

Send
to
S. H. R. I.

O. G.

Amk. Light
Camp. 3. 82
Col. Goddard

Mr. Driscoll

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Jan 6.

1882

Am. Soc. Eff. 1/6/82

My Dear Edison:-

I enclose to you Lebarcher's weekly verses from London's most famous society paper.

Had a large notice of the Isolated in my Western letters last week; will get it for you.

Doubt, for Keenan's sake, let me lose my shares in the Isolated. The "notice" was sent to me at my old residence when I was in Europe, & I got it only a fortnight ago. Help me out, somehow, if you can without much personal inconvenience or any personal loss.

The Fall River line is building the largest steamboat in the world. I was just down at the office & talked your agent & their men. Said they wanted to put it right into the new box, if you could

make it work? I told them what
it had worked.

You had better send somebody
then, for it would be a great ad-
vertisement

Ever Yours
A. C. Coffey

much raised for certain persons
of Gondo, South. The Ex-Libris
was subscribed for many times
over what not taken by stock

holders was allotted to outside
parties & was ~~not~~ ~~not~~ ~~not~~

it is therefore ~~not~~ ~~not~~ ~~not~~
possible to do anything for
you in the matter

JAN. 5, 1882.]

TRUTH.

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money was lost by the gullish herd of backers a few years since. George Frederick has twenty, including a half-sister to Victor Chief; and Hampton has nineteen, including a half-brother to Paganini and a half-sister to Corrie Bay. The well-bred Highborn, who was brought into notice by the excellent performance of Dresden China, has eleven, including a half-brother to the 1,800 ga. Showersbury, who, by the way, is likely to improve considerably on his performances of last season. Kingcraft has come down from twenty-two to five; his colt out of Wheel of Fortune died, but he has a colt out of Jannetta. King Lud (who has gone to the stud in France for the season), has eighteen against nine; and King of the Forest (whose failure as a sire has not been redeemed by a single good winner), has eight. Kiaber has eighteen; he has yearlings out of some of the best mares at Mentmore. Lollypop (now in Hungary) has left a colt out of the once "flying" Leonie. Lord Lyon would have been quite neglected but for Hampton Court and Lord Rosebery. Lowlander has twenty-six; of these, twenty-one belong to Mr. Constable. Macaroni has fallen from twenty-two to ten; this lot, however, includes fillies out of the Mentmore "fliers" Chopette and Coomassie, and half-brothers to Cameliard and Jack Spigot. Macgregor's sixteen against thirty-one include a half-brother to Blenheim, a colt out of Calibayo, and a filly out of O'Brien. Robbie Burns brought Martyrdom into notice, and he has twenty-eight against one in 1880! certainly a remarkable proof that breeders in no small degree resemble sheep. Nuneham is beginning to come into notice, and has fairly earned the patronage of discriminating breeders; he has twenty-two foals; his lot includes yearlings out of the best mares owned by Mr. J. and Mr. F. Greston. The brother to Dunsmane is dead, as is the first foal of Roy Cross. Pellegrino has sixteen; he seems to have had the pick of Mr. Everitt's mares. Pero Gomes has nineteen, but he is dwarfed by Petrarah, who, although only in his second season, absolutely heads the list, having no fewer than thirty-two foals, against nine in 1880. It may very well be worth while for his owner to consider whether an untimely decrepitude is not likely to be the result of this precocious forcing. He has produced out of such "running" mares as The Doe, Bona's Leah, and Frivolity, and Lord Falmouth has a colt out of Gertrude and fillies out of Chevasance (dam of Jannette) and Spinaway. It is satisfactory to find that Prince Charlie has only ten foals. Queen's Messenger has nineteen against twelve, including yearlings out of four of Lord Falmouth's young mares. Rococo has fourteen against nothing at all, a rise for which he has to thank Chippendale. Rosierciana, among his twenty-one, has a colt out of the dam of Chevon, and a filly out of Macarones (the 2,500 ga. sister to Beauclerc who never won a race). See Saw has twenty-four against sixteen, including a brother to Discard, who, by-the-way, has not won a race since Mr. Christopher, in a mad moment, refused 6,000 ga. for him. Sefton has nine foals for his first season, and Silvio twenty-one, of which sixteen are fillies. By-the-way, a dearer horse has seldom been sold; his lot includes fillies out of Lady Goughly and Lillan. Speculum has twenty-seven, including a brother to Sefton, and a half sister to Out of Bounds. The nine of Statesman include a brother to

the now disgraced Elizabeth. Sterling has twenty-two against thirteen. His brother to Iconomy has died amidst the soba, and shrieks, and imprecations of its owner; but he has half brothers to Dutch Oven, Nello, and Skylark, and half sisters to Kermesse and Dresden China; also fillies out of Brigantine and Chianinasso, two expensive failures, and a filly out of Frialeine. Strathcoun and Wild Oats have both been well patronized, and the good form shown by Winslow's two-year-olds ought to bring him into notice. Breeders have learned by bitter experience to distrust the excessive and undistinguishing eulogies which appear in the sporting papers, in which every sire is described in the most glowing terms, fame being dispensed through a trumpet, when the piping of a flageolet would be beyond the animal's deserts. A horse's pretensions are examined now with the flaw-seeking eye of a diamond merchant.

M A M M O N .

ELECTRICITY VERSUS GAS.

ABOVE five years ago I pointed out that land would fall in value. It seemed to me evident that this would be the case, because larger and larger tracts of Western prairie were each year being converted into corn farms, and the means of transport of this corn to our ports were each year rendered more easy. No one, however, believed me before the event proved that I was right, for one of the peculiarities of the English mind is, that it can never realize that what is, will ever cease to be, until the "will be" has become the "is."

When Edison made his discoveries in electric lighting, again I raised my voice, and said—so, to put it more accurately, again I raised my voice and wrote—that the wise who held gas shares would do well to sell them. Edison's invention was not perfected. Gas directors jeered at it; it would never be more, they said, than a pretty theory; and even if it were to vanquish gas as a lighting medium, the Companies would sell as much gas as they do at present for heating purposes, and this, with the sale of their "residual products," would secure to them as good profits as heretofore. Now I was as well aware as others that the idea of lighting by electricity had not as yet assumed a clear practical form, but I knew that the minds of so many would be devoted to giving it that practical form, that in the end they would succeed; whilst, as to selling gas for heating purposes and selling "residual products," I had calculated the results, and knew what they were.

Let those who hold the shares of Gas Companies ponder over the following facts and figures. If they regard them as incorrect, then let them keep their gas shares; if, on the other hand, they arrive at the conviction that they are correct, they will take advantage of the folly of the mass of mankind and accommodate some fool with their shares before the collapse comes.

The mode in which electrical light is produced is very simple, and can easily be comprehended when explained in plain and unscientific language. If you move a wire near the poles of a magnet backwards and forwards

along what are called its lines of force, a current of electricity is attracted to the wire, and runs from one end of it, to the other, provided there be a complete circuit. The strength of the current is in proportion to the size of the magnet and to the velocity with which the wire is moved across the "lines of force." Having got a magnet and a wire, the next thing, therefore, is to adapt motive power to them, which moves the wire quickly—that is to say, to a steam engine. The engine, wire, and magnet together, then, form a machine which is called a "generator." With its aid, a stream of electricity is thrown into the wire. Now, if the wire be cut at any place, and then the interval between the two points be bridged over with a filament of carbon, the electricity passing through the carbon becomes incandescent. This constitutes the incandescent lamp. The carbonised filaments are enclosed in globes of glass in which there is no air, and in which, consequently, the filament lasts for several months without being destroyed. There are other systems all based upon one principle and called "the arc," in which the electricity leaps from one stick of carbon to another, and in which the sticks burn like candles. In street lighting, the arc is used, and, light for light, it is cheaper than gas. In the City the Electric Companies that light the streets are paid what the Gas Companies were, and for this they supply four times as much light. Gas is used to work the generators, but the amount of gas which would maintain a light of 12-candle power, employed in turning a generator, produces an arc of 1,600-candle power. If the same engine were employed to supply the incandescent lamps, the same quantity of gas would produce 12-candle power lamps, with an expenditure of a sixteenth part of the gas now requisite for this. The reason of this is, that incandescent lamps have to be worked at a much lower temperature than arc lamps.

Electric light supplied to houses ought not to be, even in the present condition of the light, dearer than gas. Mr. Edison is now laying down 500 miles of electric light mains in New York City, and he will light every house with his incandescent lamps at the price which the owners are now paying to the Gas Companies. As a matter of fact, however, the light can be produced, as soon as mains are laid down, at a far less cost than gas.

The present condition of the electric light in London is: streets are now being lighted with it at one-fourth of the price of gas; incandescent lamps can be introduced into every room of any house so soon as the mains are laid; there can be a separate meter to each house; the lamps can be separately lighted, and put out by turning a cock; if one light goes out, no other one is affected; the sub-division is so complete, that there is no glare, and yet a room with incandescent lamps is far more brightly lighted than with an equal number of gas lamps; and an equal amount of candle-power produced by electricity is cheaper than an equal amount produced by gas. In addition, the electric light has no odour, it does not vitiate or heat the air, nor does it, like gas, tarnish paint and decoration.

Are we then seriously to believe that electricity will not replace gas for lighting purposes? When railroads were in their infancy, there were many who refused to believe

that the public would seriously prefer them to the good, old coaches. Yet the coaches have disappeared in favour of the railroads. So it will be with gas. We use this foul product because its advantages have outweighed its disadvantages. We are, however, not blind to the latter. If we find something which will secure to us still greater advantages, and which will be without its disadvantages, can any one suppose that we are so enamoured with the heated atmosphere, with the foul smell, and with the destructive properties of gas, that we shall continue to light our rooms with it?

In order to realise what a Gas Company is, and what its prospects will be, when electric light is substituted for gaslight, it is only necessary to analyse the accounts of a Company, and as the Gaslight and Coke Company is the most important London Gas Company, I will take its published accounts for 1880 in preference to any other.

This Company has a capital consisting of debentures, and of various denominations of shares, in all amounting to £9,277,122. Its revenue for the year was £2,612,665, derived from the following sources:—Gas, £1,984,019; residual products, £585,480; metres, £37,813; and sundries, £5,260. Its expenses were £1,712,656; and consequently its net revenue was £899,910. The capital is probably about £3,000,000 above the real amount for which all its plant might be brought into existence, and its net revenue might be increased by about £50,000, and its resources economically administered, for in its Dr. account I see that its directors receive £7,000, its law expenses are £4,665, its bad debts are £11,871, its collectors receive a commission of £24,707, and its superannuation and annuities amount to £17,969, whilst all other items are upon the same astounding scale.

It is clear that were the Company to pay 5 per cent all round on its capital and on its debentures, its profit would not be too large a one. This it might do, were its net revenue reduced by £463,856, and, as it receives for gas £1,984,019, it practically receives from gas consumers about 9d. per thousand cubic feet above what it ought to; and, were the works the property of the local authorities, and made with capital obtained at 3 per cent, its present charges are about 1s. per thousand cubic feet beyond what would be required. In these estimates, I accept the proposterous capital and the proposterously wasteful annual expenditure of the Company, although, as I have already said, both are excessive.

Now, let us see what would be the effect on the Company of the substitution of electricity instead of gas for lighting purposes. To produce the electricity, one sixteenth portion of the gas now used for lighting would be required. Therefore, if the Company were to depend upon this income it would be ruined. It would consequently be obliged to endeavour to sell its gas for heating purposes. About the financial effect of this to a Company much nonsense is talked by Chairmen and Directors of Companies. It is said that the demand would be so great that the saving in purification would be so enormous, and the profit from the residual deposits would be so increased, that the profits of the Companies would be the same as they are now. A few considerations and a few figures will dispel this illusion.

A Gas Company has now to produce gas free from impurities and with a 16-candle lighting-power. It sells

JAN. 5, 1882.]

TRUTH

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this gas at 3s. 3d. to 5s. 4d. per thousand cubic feet, because it has a monopoly, and because, even at monopoly prices, gas is the cheapest illuminating power now on sale. If it were to sell for heating purposes it would have to compete with coal, and would have, consequently, greatly to reduce its selling price; moreover, it would have entirely to give up selling for lighting purposes, for the purified gas and the unpurified gas obviously could not pass through the same mains. I do not myself believe that gas ever will be extensively used for heating purposes, because habits in those matters is everything, and it will be long before the habit of open coal fires disappears. But I will assume that double the amount of gas is sold for heating purposes than is now sold for lighting and heating purposes, and that this is brought about by a reduction of one-half on the cost. The debit account would be reduced by £47,988 for purification, and increased by £207,036 for double the amount of coal, and by £163,877 for carbonising; and would therefore be £29,833,668, instead of £1,712,650. The credit account would be increased by £585,180 for residual products, making it £3,619,602, instead of £2,612,569. Consequently the net revenue would be £196,039, instead of £899,910. It will be observed that in this estimate, I make no allowance for the interest on new capital requisite to increase the works so as to double their production, or for an increased staff of engineers, &c., all these being supposed to be met by economy in the present wasteful revenue expenditure. Moreover, as the substitution of gas for coal would be very gradual, and probably never could take place to any extent, were not the price of gas reduced by three-quarters instead of one-half, it is clear that the condition of the Company, when electricity is in general use for lighting purposes, will not be nearly as prosperous as the above calculation supposes.

There are no valid patents that stand in the way of producing the electric current, connecting it with lamps in the streets and in houses, and making the arc and the incandescent lamps. If the right to lay mains under the streets be granted to any particular Electrical Company, that Company would have a practical monopoly, for it is clear that it would be impossible to allow rival Companies to take up the streets at their pleasure. No Company should, therefore be given these powers. For years we have regretted that the supply of gas has been in the hands of private Companies. These Companies have been allowed to charge rates to secure to them a net 10 per cent. profit on outlay, and they have enjoyed a monopoly. The consequence has been that the public has been reckless that revenue has been squandered, because there has been no control over it by the house-holders who have had to pay for it, and that the Companies and their officials have regarded their customers much as a feudal lord in the middle ages regarded the wretched serfs attached to the globe. We must not again fall into the same error. Electric lighting must be for householders and by householders. The amount necessary for plant and working capital must be raised at 24 per cent on the security of the rates, and the holding of the metropolis must be in the hands of the representatives of the ratepayers. We have, also, no metropolitan Municipality. The only body that can take this matter in hand is the Metropolitan Board of Works.

What it ought at once to do is to appoint a commission of men of science and of practical business men, who would report upon the amount necessary to lay electric mains, to distribute generators, &c., and also the price that would have to be charged for the supply of the light to cover interest on outlay, depreciation, and working expenditure. Having acquired this knowledge, it should bring a Bill into Parliament in the session of 1882 to acquire powers to light with electricity the whole of the metropolis under its jurisdiction.



D. VAN NOSTRAND,

Publisher, Importer and Bookseller,

23 Murray and 27 Warren Streets,

P. O. Box 1741.

NEW YORK

Mr Saml Ince

My dear Sir -

*The cuts
which Mr Edison suggested
I add to article are
numbered as below*

Bergmans Catalogue

5 32 - 65 - 67 - 55 - 68 - 70 -

72 - 74 95 - 100 - 125 - 130 - 155 -

165 - 180 - 185 - 212 -

*~~sent~~ from the special no of
Telegraphic Journal no 5*

6 11472 -

*If there are
any others that he can
furnish me with and
describe I will gladly
insert them, I have
cuts supplied me by*

Bergman but need those
in Tel Journal - Can
you furnish me 3 electro
of them? Yours truly
C. S. Peirce

P.S. Priller article will
appear in next number,
tell Mr Edison & also
call his attention to the
enclosed title page - will
call on you Monday
AM

Incandescent Electric Lights
 With particular reference
 to the Edison ^{System} ~~System~~ at the
 Paris Exhibition in
 by the
 Comte Du Moncel
 &
 Mr Henry Preece

To which is added ~~the~~ Treatise
 on the Economy of ~~the~~
 Electric Lighting by
 John W Howell and
 on the Steadiness of
 the Electric Current by
 C W Siemens, with
 descriptions of the different
 forms of the appliances,
 & fixtures of for
 Domestic Lighting

~~by~~
 Jno A Edison

New York 1882
 D. Van Nostrand
 Publishers

Andrews' American Queen,
New York.

Wm. Andrews
Editor and Proprietor
Rutgers Building

Andrews' Bazar,
New York & Cincinnati.

New York, Jan 17 1882

Dear Sir:-

I enclose another spectral
from the London Smith.

Yours truly
O. A. Cropper

7
DISTRICT SURVEY OFFICE,
CASTLEMAINE.

18. 1. 82.

Victoria
Australia

Thomas. A. Edison Esq. *Melbourne*

Dear Sir

Recently I have read with
great interest (on account of my eyes)
of your invention of Electric Lamps
for Private Houses. which lamps "last
1000 hours but commonly much longer."

All new inventions come to this
colony long after other people have
enjoyed them and my object in
writing is to ask if I can obtain
half a dozen of these lamps. what
they cost and whether you will send
them with description of how to
manage them if I send a draft
for the cost, which please send me.

I read the account of the lamps
in the Scientific American and Cassell's
Magazine some time ago. but more

Results in the enclosed letter which
appeared in the Melbourne Age newspaper.

I think the lamps referred to would
prove a great blessing here and our enormous
demand springing up the price of gas
is so high. In Melbourne it is

1/6 per thousand South coast 12/6.
Coasthawaii 17/6.

Will you kindly instruct me how
to proceed re lamps and confer a
great favor on

Yours very respectfully

W. M. Martin

H. P. Keith,

Expert in the Generation and
Applications of Electricity,
Attention given to Patent Cases.

ELECTRICIAN.

41 Liberty St.

New York July 24th 1882

Dear Sir:

The long-delayed edition of Schellen's work has come to hand; so now the American translation, with additions will soon go to press.

Please, therefore, send to me, either direct, or through Van Nostrand, notes upon such matters as you would like to have appear in this publication.

Schellen, for some reason, has failed to give you justice or due credit in his work; and I want to supply the deficiency.

Yours, resp'y

H. P. Keith.

To Messrs. A. Edison Esqrs. }
65 Fifth Ave }
N.Y. }

would like to see you some evening
to arrange whole matter & also as to
some other things almost impossible for
me to make an apph to my movement
also so uncertain but if you consult
with Mr Insull, my secretary, he can
doubtless arrange an interview

Anna Lytton

Jan. 24. 52

Miss

Room No.
All communications should be addressed to
"The Commissioner of Patents,
Washington, D. C."

DEPARTMENT OF THE INTERIOR,

Ans
1/2/82
United States Patent Office,

Washington, D. C., *July 29*, 1882

John A. Edison Esq

Dear Sir:

I have great
pleasure at the solicitation of Mr
~~Abstracts~~ Ed Soudor ~~of~~ the
and the Review assumed
the American correspondence of that
journal.

Would be pleased to note at
any and all times any special
matters of interest to the electrical
world.

Yours

C. J. Kirtley

*Asst. Dir. Class. & Exam.
U.S. Patent Office*

[Signature]



D. VAN NOSTRAND,
PUBLISHER, IMPORTER AND BOOKSELLER,
23 Murray and 27 William Streets,
P. O. Box 1741.

New York, *Feb 24* 1882

Mr J A Edison

My dear Sir -

*I sent
You last night a
few copies of my
report of Clarke's
article on your
Electric Railway.*

*The remaining
200 copies I sent
to the avc office,*

*Yours truly
D. Van Nostrand*

The Queen Publishing Company

ANDREW'S AMERICAN QUEEN
ANDREW'S BAZAR
W. R. ANDREWS, MGR.



J. B. REYNOLDS, President
D. W. HARTLEY, Vice-President
G. CARBONELL, Secretary
H. DENISON, Treasurer

BRANCH OFFICES:
Cincinnati, O., 10 West Fourth Street.
London, England, 463 Strand W. C. The American
Exchange in Europe.

BRANCH OFFICES:
Paris, France, 15 Boulevard St. Martin,
Em. Verstraen, Agent.
Vienna, Schottenbastei, 4.

New York.

Feb. 7, 1882

Vertical text on the left margin, possibly a date or reference number.

Dear Mr. Edison:

Yours Truly
W. C. Hoff

Enclosing
Article on Edison
& New Rail Road



Ames Light
D. VAN NOSTRAND,

PUBLISHER, IMPORTER AND BOOKSELLER,

23 Murray and 27 West 11th Streets,

P. O. Box 1711.

New York,

Feb 2

Same Invoice by
city

Dr for:

books loaned
Mr David are numbered
as follows

1-2-7-11 & 14

from Dec 81 Van.
Northands magazine

You had perhaps
better write him that
when done with them
he return them to
you & your husband

B. S. Speirs

The  *Amer Light*
Press.

THE PRESS COMPANY, LIMITED, PROPRIETORS.
SEVENTH AND CHESTNUT STREETS.

EDITORIAL ROOMS.

Philadelphia, July 9th 1882.

Miss Edison - Care
Inventor - Electrician &
Mills Park N.Y.

My dear Sir

Please say - have you yet completed the
Electric motor to drive generator
How many men have you employed
working on your launch?

Have you not secured right to lay 2.5
miles of wire in N.Y. is your light
not for domestic use only?

I am writing an article on your
light & these questions I ask because
I wish to know the facts before writing -
an early reply will greatly favor
me.

Yours very respectfully
R. W. Hughes
R. W. Hughes

Electric Loco & 2 miles
trade ok running at Mills

130 men

Secured right to lay
wire in all streets in N.Y.
Light is for domestic
illumination & is distributed
like gas & sold by meter

Recd

24/2/82

Miscellaneous

Feb 24 82

Miss Harper

Mr Thomas A. Edison:

Dear Sir:

I write to ask if you will accord me a short interview at your office, and to kindly refer me a line saying when you can see me?

I am the New York Correspondent of the St Louis Globe-Democrat, and some other papers and I am now trying to work up the application of your lights as a beneficial change from gas in houses.

I am a woman and not very strong so the best I can do is to keep an appointment

or I would take my
chances of catching you
in your office.

Your consent would
give me great pleasure
as well as do me as honor
I shall highly appreciate

Very respectfully yours

"Oliver Harper"
40 Union Square.

Feb. 24th 1882.

Wick
THE EDISON COMPANY
OR ISOLATED LIGHTING.

American Light 1880 pp 2-03

CHICAGO AGENCY,
ROOM 3, 143 LA SALLE ST.,

Bliss
CHICAGO, ILL., MAR. 3RD, 1880.

FRIEND EDISON:

I SEND YOU A COPY OF THE CHICAGO HERALD OF THIS DATE.

IT CONTAINS A SHORT ARTICLE ON ELECTRIC LIGHTING.

I WROTE IT FOR THEM BUT THOUGHT IT WOULD BE BEST TO LET IT BE PUBLISHED WITHOUT SIGNATURE.

THE HERALD IS A STALWART SHEET AND IS CONTROLLED BY POST MASTER PALMER WHO IS ALSO ONE OF THE COMMITTEE ON ELECTRIC LIGHTING FOR THE CUSTOM HOUSE AND POST OFFICE HERE.

HE APPEARS QUITE FRIENDLY AND MAY DO US GOOD IN THE FUTURE.

SINCERELY YOURS,

G. W. Bliss

AGENT.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed to by the sender of the following message. It cannot be held responsible only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays after sending the message. This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

TIMOS. T. ECKHART, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
34	Co	Sy 14 Pd	905

Received at 791 BROADWAY.

McCh's 1882

Dated 195 Bway my 8
 To Jas. A. Edison
 65 fifth ave
 What time could one of
 our Reporters have a talk
 with you answer paid
 Editor Telegram

This telegram has just been received at the office in 791 BROADWAY, near South Street, where any reply should be sent.

DIRECT WIRES.

all the...
S. J. ...

Mr. ...

11
12
13
14
15
16
17
18
19
20

Get all the...
Belmont...
Dup... 10. 1842
Prof...
... in ...

Can you furnish me
with ... parts of your electric
engines, ... for use in a
work in ... publishing
by S. C. ... of Chicago,
Mrs. ...
W. S. Kennedy

PS
My work covers the
whole world, & is historical
& graphic at once, accurate, yet
popular, a book like the under-
foot of ...
m&c,



D. VAN NOSTRAND, *Am. rights*
PUBLISHER, IMPORTER AND BOOKSELLER,
28 Murray and 27 Warren Streets,
P. O. Box 1141. *Mar 24*
New York, N. Y. 1882

Mr James Ince

My dear Sir

Client
You yesterday 150 copies
of the book in order
to make the whole
number del'd 500,
which justified me
in charging them at
30¢, the price for
a smaller no. would
have been 35¢

*My offer to Maj
Baton was 300 at
35¢ 500 at 30¢
and 1000 at 25¢ -*

*The 500 delivered
have been sent as*

CHARTEK MAY 10

fellows

100 to May Baton

400 to Yourself

If the major

wishes his order increased

to 100 the lot already

deed (100) will be

charged at 25¢

Yours truly

B. B. Speer

As to 1000 and
the 100 dollars
has been



Henry D. Miller, Post.
Jackson Building, New York.
L. Jacques, B. Moore, Times & Spectator

New York, April 25 1885

The A. Edison Co
Dear Sir:

By arrangement with Mr Charles F. Porter in Philadelphia last week, we desire to publish the joint paper read by him before the American Society of Mechanical Engineers, and suitable engravings will be necessary. Kindly give our engraver Mr Kirkham (the bearer) facilities for making engravings of Dynamics at Good & Chap, & oblige,

Yours truly,
L. Jacques & B. Moore
Times & Spectator

Publication Office of

"HOME."

C. M. O'HARA, Editor.

Containing such practical information, judiciously mixed with lighter news, and making one dollar do the work of two, we can guarantee that absolute integrity and purity.

such measure of foolishness as will tend to amuse your leisure, and a limited number of advertisements of such character that we will come to you twelve times a year for fifty cents.

HOME PUBLISHING CO.,

43 South Fourth Street.

Philadelphia, May 2nd 1882

Mr. J. P. Edison
21 Mendis Park
N.J.

37

I am preparing for the press an article which I style "the illustration of full trade" the object being to refute the generally accepted "fact" "fact of full trade, and master of mine."

I have some data concerning you, but would like to have a full account of all the various business you have been engaged in.

I think I know you slightly when in Meriphan. I was at that time in Jones' drug store opposite the bank, and I think I have met you with Mr. Geo. Deacon, tel. op. at Bohemia Junction.

Please let me hear from you at your earliest convenience.

Very Truly Yours
Chas. M. O'Hara

THE EDISON COMPANY
FOR ISOLATED LIGHTING.

29
CHICAGO AGENCY,
ROOM 3, 143 LA SALLE ST.,
Bliss
CHICAGO, ILL., MAY 3RD, 1882.

FRIEND EDISON:
THE RAILWAY AGE WANT A CUT TO USE IN
CONNECTION WITH MY ARTICLE ON THE ELECTRIC
RAILWAY.
THEY THINK ONE APPEARED IN THE SCIENTIF-
IC AMERICAN NOT LONG AGO.
WILL YOU SEND ME THE ELECTROTYPE?
SINCERELY YOURS,

Geo. W. Bliss

*We have Electrotype
if not got &
send.*

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been accepted to by the sender of the following message, transmission or delivery of Intersent Messages, beyond the amount of silver paid thereon, and the company will not hold itself liable for errors or delays in after sending the message.
This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.
THOS. T. ECKERT, General Manager.

NUMBER	SENT BY	REC'D BY	CHECK
1	<i>WY</i>	<i>W</i>	<i>10 paid</i>

NORVIN GREEN, President.

Received at *W.H. 10.05 am* *May 10th 1882.*

Dated *New York*
To *J. A. Edison*

Wm. P. W. 2nd.
Can I see you this afternoon
at your Laboratory course.

Geo. W. Hopkins
Scientific American

Yes.
Edison
NY

RECEIVED JARVIS BLUME, 37
MAY 11 1882
ANSWERED
NOTARY PUBLIC

Room 25, 79 Dearborn Street,
FILE No.

Chicago May 29 1882

Hon. A. Edison &
My Dear Sir

I am writing
a series of sketches of
distinguished Americans.
Grant, Emerson, Long-
fellow, Webster, Poe,
Jackson, Douglas,
Garfield, Lincoln,
Beecher, Clay, Dorch,
Forrest, &c. &c.
The Publishers ask that
a sketch of about 12
columns be written
for paper in a good
class of story paper
of the N.Y. Ledger. My
kind regards to complete



D. VAN NOSTRAND,

PUBLISHER, IMPORTER AND BOOKSELLER,

29 Murray and 27 West Streets,

P. O. Box 1741,

New York.

June 2, 1882

Mr James Driscoll
Dear Sir

Whenever
at the Park the
other day I spoke
to Mr Edison relative
to our adding Upton's
article to the next
edition of the
"Standard and recent lights"

I have sent
the no of the
magazine today to
you by mail & will
thank you to have
Mr Edison look
it over & have
him decide whether

it ought to go

not - I will be

thankful if you will

give this your immediate

attention as I want to

print at once -

Your truly

C. Speer

[Faint, mirrored bleed-through text from the reverse side of the page, including words like 'D. VAN NOSTRAND', 'I will be', 'thankful', 'attention', 'print', 'Your truly', and 'C. Speer']

*Recd
9th June 82*

THE CHRISTIAN UNION,
N. Y. & BUREAU FOR CO. LETTERS,
20-LAFAYETTE-PLACE,
NEW YORK.

JUNE 6, 1882.

DEAR SIR;

I ENCLOSE YOU HEREWITH A COPY OF THE ARTICLE OR INTERVIEW, WHICH YOU HAVE KINDLY FURNISHED US FOR PUBLICATION IN OUR "HOW TO SUCCEED" SERIES. YOU WILL BE GLAD TO KNOW THAT THIS SERIES HAS NOT ONLY ATTRACTED CONSIDERABLE PUBLIC ATTENTION, BUT HAS ELICITED MANY LETTERS FROM YOUNG MEN AND OTHERS, SHOWING THAT IT IS ACCOMPLISHING THE USEFUL PURPOSE WHICH WE HOPED FROM IT. WE SHOULD HAVE THE PROOF BACK BY SATURDAY MORNING, IF WE DO NOT RECEIVE IT BY THAT TIME I WILL ASSUME THAT IT IS SATISFACTORY AND YOU HAVE NO CORRECTIONS TO MAKE IN IT.

YOURS TRULY,

MR. THOMAS A. EDISON,

Lyman Abbott
M.

4
Gazeta 9 June

Similar to the Globe article

- adding - all the apparatus was minutely
examined by H.M. the Emperor & others - explained
to by Mr. M. Carty who had charge of same
at the late Exposition -

The electric current was produced
by the machine lent out by Mr. Edison for
the Exposition and which was there intentionally
disabled - It was repaired by Messrs
Kemp under direction of Mr. M. Carty

The experiments commenced with
the Edison, followed by the gas and the Dabloff
all noted a great superiority
in both electric systems over the gas - His
Majesty expressed the opinion that he
preferred the Dabloff for large spaces
and the Edison for private houses -

THE EDISON ELECTRIC LIGHT CO.,
25 FIFTH AVENUE.

New York,

June 3rd 1882

Dear Edison

Mr Snyder the gentleman
who has been preparing illustrated
article for Harper's Weekly on Cent
Station & first district wants
to visit N.Y. and get the
points for an article on the
R.R. He would like to bring
that out next week with
the article on 1st Dist.

Will you make an early
appointment for him to
go out, telegraphing me
tomorrow that I may send
him word. He wants to see the
road in operation.

Yours truly
Edison

Mr Edison told me to answer
by Telegraph to leave him
come to morrow
J.P.R.



J. VAN NOSTRAND,
PUBLISHER, IMPORTER AND BOOKSELLER,
23 Murray and 27 Warren Streets,
New York, N.Y.

June 14 1882
James Driscoll Esq -

Dear Sir -

I recd from
you a few days since
his paper on the Meter,
it looks as though
it might be cut down
& adapted for the
magazine & then
put at end of next
edition of "Meander
Back Light" in Science
series. Mention the
matter to Mr Edison
& let me know what
he thinks of it, &
also in what respect
it can be condensed

Whether he will do it

can you spare
us some money!

Yours truly

Respect

[Faint, mostly illegible handwritten text, possibly bleed-through from the reverse side of the page]

THE EDISON ELECTRIC LIGHT CO.,
65 FIFTH AVENUE.

New York,

June 15th 1882

Saml Insull Esq
Dear Sir:

Referring to enclosed
bill of Van Hook & Co. for 500
du Moncel's pamphlet, I learn
that the Co. received 100 copies
a part of which are still on
hand. I cannot learn of any
order having been given for
larger quantity. Please ask
Edison about it and send me
word.

Can't you pass cheques
with me this week on account
of instalment Illuminating Stock
I would like to arrange this
before I leave. I intend to be
back here in five or six weeks
at most
Yours truly
C. S. Smith

H. U. World Ed. Rooms.

Dear Sir:

Mr. J. Edgar Eaton, I believe, wrote you
yesterday that I would be out in a day or two
to get material for an article on the Electric R. for
Harper's Weekly. I will endeavor to take the
9.10 train from N. Y. to-morrow.

Very truly yours

Gustav Cobbe

Tuesday, 21 June.

Amos Stager, President.
John H. Clark, Vice Pres. & Treas.
D. H. Linschbach, Sec'y.

Directors:
Thomas A. Edison.
Amos Stager.
John B. Drake.
J. W. Drake.
Samuel Merrill.
Norman Williams.
Edwin Smith.
John M. Clark.
John Clark.
Anthony F. Seaborg.
Z. G. Simmons.

Western Edison Light Company,

51 & 53 Wabash Avenue.

CHICAGO, *22nd June* 1882.

*Mr. Thos W. Edison
Menlo Park
Dear Sir*

*I send you
today an interesting article
in reference to your light and
machinery at the London ex-
position, published in The Chi-
cago News of June 21st.*

*Sincerely yours,
Geo. H. Bliss
Gen. Supt.
(Gen. Thurland)*

1882-06-22



D. VAN NOSTRAND,

PUBLISHER, IMPORTER AND BOOKSELLER,

28 Murray and 27 Warren Streets,

New York June 26 1882

Am
of
Friend Knell

If possible
send me Mr Edison's
revision of Jchli's
paper this week, as
I want it to appear
in the next magazine.

In its present
shape it is much
too large & it
can be condensed &
ask Mr Edison to do
so.

Yours truly
C. S. Speier



D. VAN NOSTRAND,

PUBLISHER, IMPORTER AND BOOKSELLER,

28 Murray and 27 Warren Streets,

P. O. Box 212

New York June 27 1882

Friend Knell -

I send
you by express
today drawing
on block of 100's.

Please submit
it to Mr Edison
& let me know if
it meets his approval
& if possible return
it so I may get it
Saturday morning.

Yours
Speier

29.

Recd

THE NORTH AMERICAN REVIEW.
NEW YORK, N. Y.

July 19

McClary

July 15 1882.

Dear Mr. Edison:

We very much desire that you write for us, at an early date, a short article on the subject of "Electric Railways". You will remember the circumstances of your writing for us on previous occasions. We then urged that anything from your pen would command universal attention, and prevent misunderstanding and misrepresentation: and we

feel sure that in neither case were you disappointed with the results. We are confident now that an article from you on the subject proposed would be of like advantage.

Let us suggest that the paper might open with a brief review of what has already been accomplished in other countries in the direction of running trains by electricity, and close with a statement of what you have accomplished and expect to accom-

plish.

We shall be pleased to place at your service, should you desire it, a facile writer who would speedily put your thoughts in proper form, and we will submit the result to you before the article is printed. In this way, the preparation of the article will occupy but a very few moments of your time.

We are very hopeful that you will recognize the advantage of the publication, and that you will kindly oblige

as before.

Yours very truly,

L. J. McLeary, Office Editor.

39 39
THE NORTH AMERICAN REVIEW.
NEW YORK, N. Y.
July 18 1882

Dear Mr. Edison:

We are very earnestly
hoping that you will kindly accept
an invitation of last week, and ap-
pear on early day when a repres-
entative from us can see you and
take notes. We will occupy your
time but a very few moments.
We can publish the article in our
very next number, which is to be
made up on the 26th of the
present month. If you prefer to

treat the topic of the "Storage of
Electricity", rather than the one named
by us, we will accept that willingly
instead.

Yours very truly,

L. S. Meloy, Office Editor,

Subject: _____

1882-07-19

Ans. [Signature]
ni

John B. ...
John M. ...
D. W. ...
G. ...
G. ...
P. ...

Western Edison Light Company,

51 and 53 Wabash Avenue,

DIRECTORS.
THOMAS A. EDISON.
ANDREW ...
J. W. ...
SAMUEL ...
EDMON ...
JOHN ...
JAMES ...
Z. G. ...

IN REPLY TO YOURS OF

Chicago, JULY 19TH, 1882.

MR. SAMUEL INSULL,
MENLO PARK N. J.
DEAR SIR :

I NOTICE IN A RECENT NUMBER OF HARPER'S
WEEKLY A CUT OF THE EDISON DYNAMO.
IS THIS THE ONE OF WHICH YOU WERE GOING TO SEND ME AN
ELECTRO-TYPE FOR PUBLICATION IN CONNECTION WITH MY ARTICLE IN
THE RAILWAY AGE ?

SINCERELY YOURS,
GEO. H. BLISS,

Geo. H. Bliss

29-

THE NORTH AMERICAN REVIEW.

NEW YORK, N. Y.

Mitcal
July 28th.

Dear Mr. Edison:

Your note of the 19th,
kindly consenting to write an article
on Electric Railroads, for me when
you shall have completed your tests, is
received. Please accept very many
thanks. We will reserve space, and
will give the matter in type the mo-
ment you are ready. We hope that
reporters may not get hold of anything
in the meantime, so that the article
may contain the first declarations

from you,

Very truly yours,

L. S. Melrose, Office Editor.

78
Office of
Popular Science Monthly,
37 N. 5 BOND STREET.

New York, July 22nd 1882

My Dear Sir,

Sir; - I enclose you a proof of my
article on gas and electric
lighting, which I should be glad to
have you look over and make any
corrections which may seem to
you necessary. Please return the
proof at your earliest convenience
(by letter postage) and oblige

Yours Respectfully
C. M. Lungen

✓ L 9
THE CHRISTIAN UNION, 37

N. Y. & BOSTON: PUBL. CO., LIMITED.

90 LAFAYETTE PLACE,
NEW YORK

AUGUST 2, 1882.

DEAR SIR;

WE HAVE BEEN ASKED BY ONE OF OUR LEADING PUBLISHING HOUSES TO FURNISH THEM FOR PUBLICATION IN BOOK FORM THE SERIES OF PAPERS ENTITLED "HOW TO SUCCEED." I PROPOSE TO ACCEED TO THIS REQUEST. IF THOSE WHO CONTRIBUTED THE PAPERS DO NOT OBJECT. I SHALL STATE IN A PREFACE, OR IN A FOOT NOTE TO THE ARTICLES AS THEY APPEAR IN THE BOOK, OR IN BOTH WAYS, WHICH OF THE ARTICLES WERE WRITTEN AND WHICH WERE TAKEN DOWN AT DICTATION. I SHALL BE GLAD TO SEND YOU YOUR ARTICLE FOR FURTHER REVISION IF YOU DESIRE; I DO NOT WISH, HOWEVER, TO INVOLVE YOU IN ANY FURTHER WORK IN THE MATTER, AND, IF I DO NOT HEAR FROM YOU I WILL ASSUME THAT YOUR SILENCE GIVES CONSENT.

YOURS VERY TRULY

THOMAS A. EDISON, ESQ.


Simon Abbott
S.

I have no objection
 to the ~~original~~ ^{revised} book
 to succeed ^{as published} published
 as you suggest
 it is stated that ~~it~~ it
 was the result of an
 interview with me

WHICH OF THE VARIOUS WERE WRITTEN AND WHICH
 AND THEY APPEAR IN THE BOOK OR IN BOTH PLACES
 IN A FOOTNOTE OR IN A FOOT NOTE TO THE VARIOUS
 PAGES THE VARIOUS DO NOT OBJECT I SHOULD STATE
 ACCORD TO THIS REQUEST IS THOSE WHO CONTINUED
 PUBLICATION IN BOOK FORM THE SERIES OF VARIOUS
 GIVING PUBLISHING HOUSES TO PUBLISH THEM FOR
 WE HAVE BEEN ASKED BY ONE OF OUR
 DEAR SIR

APR 3 1885
 THE PUBLISHERS

[POSTMARK: AUGUST 24, 1882. TO SAMUEL INSULL]



D. VAN NOSTRAND,
Importer and Publisher of Scientific Books,
23 MURRAY and 27 WARREN STREETS, (op. state)
New York

Dear Sir,
I call Mr. Edison's
attention to Feb's
article in this
month's magazine.
I also let me know if
he wants any extra copies.
— Yours —

100
C 29
THE NORTH AMERICAN REVIEW.
NEW YORK, N. Y.
Munday

August 29, 1882

Dear Mr. Edison:

We make up another number of the Review on the 20th of September. Will not your tests be completed in time for your much-desired article on Electric Railroading to go into that? Please remember that we are ready to take as much of the labor of writing

off your hands as you will
allow us to do.

Yours very truly,

L. S. Melrose, Office Editor.

Thomas A. Edison, Esq.



D. VAN NOSTRAND,

PUBLISHER, IMPORTER AND BOOKSELLER,

23 Murray and 27 Warren Streets,

P. O. Box 1111.

New York, *Aug 20, 1892*

*Samuel Inceull Esq
Menlo Park N.J*

*Dear Mr Henry Green
who is preparing an
Electrical Encyclopedia
wishes to borrow some
of the electro's in the
"Sci series"*

*Shall I let
him have them? telegraph
me -*

*Yours truly
G. S. Speirs*

*Received
Aug 27 1892*

3

The Telegraphic Journal & Electrical Review.

Kemppe
10, Paternoster Row

London, Sept 6th 1892
J. A. Edison Esq,

Dear Sir,

The notice in the Scientific American, an Illustrated Description of your great installation of incandescence lighting in New York.

We have made a few remarks on this subject in the forthcoming (Sept 9th) issue of the Electrical Review.

It would however be esteemed as a great favour if you could ^{assist} favour us with a special and more scientifically detailed description of the above undertaking than has yet appeared, for publication in our columns.

We should also be very pleased to receive from you at any time information as to any other of your numerous subjects, in order that we may keep our readers supplied with the earliest and most authentic news.

We trust that you find our journal of service to you, more particularly since its weekly appearance took place.

Faithfully Yours,
H. R. Kemppe
Le Paternoster
Joint Editors.

Send them Editors
of Scientific Amn -
also copies all bulletins
& put them on list - tell
them will be busy, & will
cannot inform but very busy
etc



33
D. VAN NOSTRAND,
PUBLISHER, IMPORTER AND BOOKSELLER,
29 Murray and 27 Warren Streets,
P. O. Box 171.
New York, Sept 13, 1882

James Russell Esq

Dear Sir

The American Gas Light Journal want to reproduce the article in last month's magazine on the meter & want me to loan them the cut,

Is there any objection to my doing so? Answer by return as I must let them know in a day or so.

Yours truly
C. B. Speer



D. VAN NOSTRAND³³

PUBLISHER, IMPORTER AND BOOKSELLER,

25 Murray Hill, W. 42nd Street,

P. O. Box 1741.

New York

Sept 22 1902

Friend Insull,

We are about to go to press with the new edition of "Science Series" on the light.

Will you ask Mr. Edison if care is to suggest any changes or if I have made some alterations in the article, but with that exception & the addition of the Jehli article the new edition will

D. VAN NOSTRAND

PUBLISHER, ENGINEER AND BOOKSELLER

be no different from

the last

Yours truly

Edwards

It has been my pleasure to have you
with me here in the
office since you
the first

will you
out with me
cases to suggest
and change to
have made some
alterations in
article, but with
that exception
the whole
fell a
was

3
Sept. 25. 82

THE METROPOLITAN.

Every Saturday, at.

Established 1871.

A JOURNAL OF *Progress*
Local Self-Government and Poor-Law Administration;
AND OFFICIAL ADVERTISER.

DORSET HOUSE, SALISBURY SQUARE,
FLEET STREET, E.C.
LONDON, *Sept. 25. 1882*

Professor T. S. Edison

Dear Sir -

I am desired by the Editor to take the liberty of asking if you would be so kind as to cause to be forwarded to this office a copy of any pamphlet or report that may have been published giving full particulars of the

METROPOLITAN

consumers. - The Editor is therefore very anxious to be able to afford the readers of the paper (who are for the most part public men or public officials) full & reliable information in regard to the extensive & important installation which has recently been completed in New York.

Yours Sincerely
Casper Rogers, M.M.
(Manager)

arrangements for lighting electrically a portion of the City of New York which lighting the Editor believes was commenced on the 4th September - The Metropolitan is the special organ of those bodies in London which are responsible for the lighting of our public thoroughfares, and which whenever questions come before the Legislature, are recognized as the representatives of the

29

Sept 27, 82
Metcalf

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 08-20-2008 BY 60322 UCBAW/SAB/STP

Answered by Hughes

THE NORTH AMERICAN REVIEW

promising ^{from volume 10} ^{of the} ^{Review} ^{for} ^{the} ^{month} ^{of} ^{the} ^{next} ^{issue}
why you are ^{not} ^{able} ^{to} ^{do} ^{it} ^{for} ^{the} ^{month} ^{of} ^{the} ^{next} ^{issue}.
Dear Mr. Odious:
give ^{me} ^{your} ^{answer} ^{as} ^{soon} ^{as} ^{possible}.

May we not
hope to receive the article
on Electric Railroading by
October twentieth — almost a
month hence? We can give
it a very fine position in
the number to be made up
on that date, and we want
it inexpensably, unspcakably,
inconceivably much. Only
eight or ten pages are needed;
you know, if you desire to
save time, we will send a
man who can do the whole
work of composition from
such a statement of facts as
you can make in a few
moments. We will announce

the article some weeks in ad-
vance, and have the public
on both sides of the Atlantic
ready for it.

Yours very truly,

L. S. Mealey, Office Editor,

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed to by the order of the following message.
It is not to be construed against only by requesting a message back in the sending station for transcription, and the company will not hold itself liable for errors or delay in transmission or delivery of telegraphed messages, except the amount of money paid thereon, nor in any case where the claim is not presented in writing, together with a check for settling the message.
THIS IS AN UNREPLEATED MESSAGE and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager.

MORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	EX	CHECK
358	mp	R	27 pd	

Received at: **791 BROADWAY.**

Oct 3 1882

Wanted Menlo Park telegraph 3
To be given to same

Montreal is the letter of X in American gas Light
Company eight please answer at our expense we are
anxious to see your get Justice

Graham Lee

Publisher of the paper

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any reply should be sent.
DIRECT WIRES.

285 patents in all.
139 on electric lighting
137 on electric conveying
Oct. 1887.

The New-York Associated Press:

Washington Bureau, 533 Fifteenth Street.

Representing the New-York Journal of Commerce, Herald, Tribune, Times, Express, Sun, and The World. Acting also for the Reuter Telegram Company, and all the leading Journals throughout the Union and the British Provinces.

Lock Box 28.

Washington, D. C. Oct 3d 1887

Dear Edison: Every Wednesday I make a statement for our people of patents granted during the week. A few weeks since I struck some twenty patents granted you. I would be obliged if you would inform me the exact number of patents which you have received in order that I may include it in my article when I strike you again. I know it will make an interesting paragraph. By the way, Mrs. Dehnau has been urging me to buy her an Edison drop light and I am unable to find any here. When you forward the statement mentioned please advise me where I can find them, and greatly oblige, Yours fraternally, A. W. Dehnau.

27

Oct. 5-82
"Youth's Companion"

Youth's Companion
Boston.

October 5/82.

Dear Sir:
A. B. C.

I desire to write an editorial
article describing the most recent im-
provements in electricity as applied
to the purposes of illumination etc. Can
you kindly give me any data, or
refer me to any book or article
which will help me? I shall be
exceedingly obliged if you will do so.

The Youth's Companion, as you
will see by your prospectus, has been

a circulation of 300,000 copies
a week, and enjoys the services
of the best writers of both Great
Britain and the United States. I
suppose no pecuniary offer would
be sufficient to induce you to
chiefly write up the subject in a
way that would suit a popular
audience. Still I may say that
we should be delighted to have
one, two or three short papers

from you per. Each should be
not longer than a column of The
New York Herald, and for each
we would pay you \$100 if
you considered that amount suf-
ficient.

We, of course, want articles
in a popular vein without too
much technical detail.

Trusting that you will give
the matter your consideration, I am,

Yours faithfully,

William H. Ridding.

YOUTH'S COMPANION October 15th 1882

Boston.
My dear Sir:-
Dear Sir:-

Excuse me for troubling you.

again, but I should like to get some trustworthy information as to several points in an article you published in Scribner's Magazine in November 1878. What advance has been made towards perfecting several inventions described therein - the megaphone, the microphone, the phonograph and the microphone? Are you devoting yourself exclusively to inventions appertaining to electric illumination? Where can I find an account of the latest improvements

YOUTH'S COMPANION
Oct 14 1882

27

Handwritten notes on the left margin, including the words "Scribner's Magazine" and "October 15th 1882".

YOUTH COMPANION

[Handwritten signature]

is telegraphically effected by sun, and what are the
difficulties in the way of the general adoption of
electricity as an illuminant in houses - In regard
to the latter question I infer that the only difficulty
is the expense of the original plant.

41

1882
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1899
1900

Thanking you in advance for your very
kindness in answering these questions,

Yours

Ernie Fairbairn,
William H. Kidding.

To Thomas A. Edison Esq.

27

Oct. 19, 82

Brock

New York October 19th 1882.

Thomas A. Edison Esq.
City.

My Dear Sir,

I am very anxious to obtain through your kind disposition the prints and illustrations bearing upon your great invention, as I desire to incorporate, to describe and to illustrate them in my forthcoming work.

I have devoted a life-time of persistent labor in collecting, elaborating and systematizing the materials for my publication and I hope to be able to do justice to your well-deserved honor.

As I am groaning under the load of the heavy expenses which pervade the modern means of a professorship I beg you to do so my other patrons did and let me have the full amount of subscription in advance by check.

Rest assured that I shall use my utmost efforts to gain your approval. I shall send you as soon as the proof sheets and

and make any alterations or modifications in the text which you may suggest.

With the most distinguished consideration I have the honor to remain

your faithful servant
L. J. Boell

AMERICAN SOCIETY OF MECHANICAL ENGINEERS.

SECRETARY'S OFFICE, No. 239 BROADWAY,

New York, Oct. 21 1882

Dear Sir

A letter of introduction is almost needless between two fellowmembers but I am glad to have the opportunity of presenting to you my old friend Mr Alfred Colin who is in search of information, concerning my electric lighting in New York for the editor of "La Nature" of Paris. Mr Colin will ex

all this more fully and if you can aid him in any way to the accomplishment of his purpose, I shall be obliged

Very truly Yours
R. Seeley

Thomas A. Edison Esq

27

Oct. 24. 82

Brook

New York, October 23rd 1882.
228 East 83rd Street.

Thos. A. Edison Esq.
Menlo Park.

My Dear Sir,

I hardly know how to apologize for my repeated intrusion upon your most valuable time. Yet the object in view is of such vital importance, not only to me but also to my scientific friends here and abroad, that I do not hesitate to put perfect reliance in the friendly disposition of a Gentleman of your scientific prominence. According to the severest criticism of men of acknowledged merit my work promises to become a standard work of its kind, and for nothing in the history of man's I like to fail to treat exhaustively of the ingenious inventions of the standard bearer of modern - not only American but universal - electric science. Hence let me know by please how far you assent to the request expressed in my former letter. The outfit of the work will be magnificent; its cost will

amount to nearly \$ 25,000.

I succeeded so far as mirably
in obtaining the active cooperation
of gentlemen of note in the departments
of science and industry. All
the departments in Washington
have cheerfully and liberally con-
tributed their shares. Yet I grow
under the load of material respon-
sibility which especially with
respect to the numerous illustrations
I see success the modest means
of a professorship.

Hoping you will kindly
grant your precious aid to a
work to which I bestowed a
life time of persistent labor
I have the honor to remain
with the most distinguished
consideration

your faithful servant
G. J. Peck

Delivered

G. P. PUTNAM'S SONS
27 AND WEST 23RD STREET
NEW YORK

RECEIVED
OCT 27 1862
ANSWERED

Mr. Thomas Edison 27 Oct 1862
65 5th Ave
FILE No. 26.....

Dear Sir:-

We have the pleasure of forwarding
herewith a copy of the little volume
just published by us entitled "How
to Succeed," in which, under
arrangement with the "Christian
Union," we have had the pleasure
of introducing a very valuable and
pertinent paper from your pen.
We are glad of the opportunity of
associating with our list of publica-
tions, so representative a name as
your own.

Yours of 26th - Yours very truly
with copy of How to succeed
came duly to hand forwarded acceptance
G. P. Putnam's Sons
27 and West 23rd Street
New York

[TO SAMUEL INSULL?]

Youth's Companion.
Boston.

Saturday.

My dear Sir :-

I sent you a copy
of Sailors, but address
to Mr. Eldon as I
cannot make out your signa-
ture.

Yours faithfully,

William H. Ridgway

38

Oruta Company

Oct 28 82

[TO SAMUEL INSULL?]

33

Nov. 2, 1882

Youth's Companion

Youth's Companion.

Boston.

RECEIVED
NOV 3 1882
ANSWERED

Dear Sir,
FILE No. 1882

Permit me to thank

you for your very kind
letter of the 30th ulto. I
have studied the present con-
dition of Mr. Phillips with
so clearly that I have
incorporated some parts of
your communication in a leaf.

85
article which I will shortly
send you, and in the
meantime we will consider
for kind offer of an intro-
duction to Mr. Edison, a
visit to New York etc.,
with a view of some other
articles.

Again thanking you, I am,
Sincerely yours,
William H. Kidding.



COLLEGE & SEMINARY OF THE LATE OF AFRICA.
DUBLIN.

27

Nov. 2. 82

NOT RECEIVED
NOV. 2 1882
ANSWERED

NOV. 2. 1882
MILB. NO. 37

Dear Sir:—

I hope, you will kindly excuse,
if I take the liberty to ask you
a little favor or information.

The well known Dr. Schellen,
Director of the "Realschule" at
Eoligne, Germany, and editor of
celebrated works on dynamo electric
machines, telegraphs, &c. is going
to publish the 3^d edition of his
book "Die magnet. und dynamo-
elektrischen Maschinen" (Construction
and Applications), and I received
just a letter from him about this

subject. He asks me to take information, if there are some books or other American publications containing as full particulars as possible about your celebrated machines, lights etc. etc. and the latest progress made in them.

Now I know every thing that has been published about this in the Scientific American, and in the Nature of Paris, as well as in the latest German & French works.

But Dr. Schellen, who together with Dr. Siemens is recognized as highest authority in these matters in Germany, wants to know just things, who are not published yet

in Europe, and I thought, I could not do better, than to take the liberty to address myself to the King of electricity, as some friend of mine calls you.

Would you consequently be kind enough to let me know, when I can get the largest information about your latest experiments and success, as far as I can ask this without indiscretion? It is well at the same time to be most efficient means to destroy the last traces of prejudices, who have existed in Europe against your incandescent lights.

Dr. Schellen writes me, that in Cologne three large ^{coal-lights} ~~plumes~~ are

Referring to yours of 2nd
inst I am getting out
the data you ask for
& will send it in due course

illumined with your lamps,
and that every thing works with
"perfect satisfaction."

Please excuse the trouble
I may give you, and if you
have anything, on which you
want to call particular atten-
tion, let me know it, - and Dr.
Schellen will be happy to lay
stress upon it. -

Yours very truly,
Rev. C. Kolbe, C. M.
Prof. of Physics & Astronomy
Seminary of Our Lady of Angels
Suspension Bridge
N. Y.

If you ever come to work at
the observatory, we will be only too happy to see you. I am
very truly yours,
J. J. Schellen

answered *ppm*
~~the~~ 1st 1882

20

THE NORTH AMERICAN REVIEW,
NEW YORK.

Mitcal

Nov. 27, 1882.

Dear Mr. Edison:

We shall make up a number of unusual interest on the 20th of December. We beg to ask if the text for which you are writing will not be completed in time to enable you to prepare the much-desired article on Electric Power ways by that date. From five to ten pages will be sufficient.

Yours very truly,

L. J. Mitcal, Office Edison,

*1/2 the text has been made
I will return 25 or 30 days to
answer with holdover etc not no*

ALL SUBSCRIPTIONS SHOULD BE FORWARDED
TO THE NORTH AMERICAN REVIEW, 107 NASSAU ST., N. Y.

PUBLISHERS' WEEKLY
PUBLISHERS' TRADE-LIST ANNUAL
LITTON, NEW YORK
LITTON, NEW YORK
LITTON, NEW YORK
LITTON, NEW YORK

F. LEYFOLDT, Publisher
No. 13 and 15 *100 of the Times*
New York, N. Y. 1003

26
1885
New York, 24 Nov. 1885

Mr. Thos. A. Edison

Dear Sir: -
I am writing you a sketch of your
career for a new edition of "Men of the Time"
I have failed to find the (exact) date and
place of your birth - points which it is desirable
to need in such a sketch. If you can furnish
them to me I should esteem it a favor. -
In such sketches as I have seen, mention
is made of your having resided in various
places (as Adams, Cincinnati, Boston)
but no date are given, or length of stay in
any of them specified. If you can either
furnish me any facts on these points,
and also as to occupations and positions
held, it would be an additional favor.
I should not venture to trouble you
in this matter had I been able to find,

and
1885

and
1885

I should not venture to trouble you
in this matter had I been able to find,

any printed account covering the period
between 1840 and 1847 only give "born"
in Ohio in 1847" as your place and
date of nativity, and give no subsequent
data in your career until about 1876.

... In early reply will greatly oblige

Very truly Yours

L. E. Jones

Annual issue.

YOUTH'S COMPANION.
BOSTON, MASS.

November 30/88.

My dear Mr. Innes:

I am glad to hear
from you. I thought you
had wrapped yourself up in
a science which nothing would
induce you to leave, and it
is quite a relief to know
that we are to have the article
yet all. Now, in answer to

you in Paris - the article should
be about two thousand words
in length. But if it is a
little shorter or a little longer
the difference will not hurt
it. You will readily understand,
of course, that we do not
want an elaborate technical
treatise on electrical engineering,
but a familiar and helpful

chart which will be within the
comprehension of intelligent young
readers. But especially in the
position of one who has been
applied to by a friend for
advice as to what course he
should take in finding a solu-
tion for his son. Speak of the
great extent to which electrical
engineering as a profession has

from during recent years and describe also its prospects through the future application of electricity. Then indicate what positions there are open to young men, what qualifications they should have, how they may best obtain the necessary training and the education that will be most serviceable to them. In brief, endeavor

DIPLOMA ROOM.

NORTH'S COMPANION,
BOSTON, MASS.

to answer these questions which a clever boy could ask you if he had an ambition to succeed in Mr. Edison's direction. I think the subject will prove upon you when you sit down to write and if you need give us a second leaf paper, which Mr. Edison would do.

sign, in the future of electricity
we should be glad to pay
{in double the amount of
you in the first instance.

Come and see me when
you are in Boston, as I shall
be glad to review my brief
but very general acquaintance
with you. I spent last summer
in England and Switzerland,

but the laws and fields the
dear little stand were parched
and yellow and the pedestrian-
ism which I contemplated
was impossible owing to the
amazing heat. I never knew
anything like it.

I am, dear W. Drusell,
Louisville, Ky.

William K. Ridgway.

1882. Edison, T.A. - Autograph and Photograph Requests (D-82-008) [not filmed]

This folder contains unsolicited correspondence requesting Edison's autograph or asking for photographs of him.

1882. Edison, T.A. - Bills and Receipts (D-82-009) [not filmed]

This folder contains bills and receipts for routine laboratory, office, and personal expenses. Additional bills and receipts for 1882 can be found in Invoice Book, Cat. 1163 (not filmed).

1882. Edison, T.A. - Bills of Lading (D-82-010) [not filmed]

This folder contains bills of lading for the shipment of merchandise.

1882. Edison, T.A. - Book and Journal Orders (D-82-011)

This folder contains correspondence, bills, receipts, and other documents relating to the ordering of books and journals.

Approximately 40 percent of the documents have been filmed. The following categories of documents have not been filmed: advertisements, announcements of new publications, and other documents relating to items apparently not ordered; bills and receipts that contain no information about specific items ordered; other routine documents that merely duplicate the information in the correspondence.

LA LUMIÈRE ÉLECTRIQUE

Journal universel d'Electricité

Fondé sous la Direction scientifique du comte DU MONCEL

Directeur administratif
Paris et Département : Un an 40 fr.
Un an postale 42 »

AGENCE
22, PLACE VENDÔME, 22

Le numéro : Un franc.
Année, la ligne : 25 fr.
Réclames, la ligne : 15 »

Administrateur : A. Giéhard. — Secrétaire de Comité de rédaction : Frank Géraldy.

Reçu de M. L. A. Edison, New York

la somme de

~~100 francs~~ pour son

abonnement d'une année à compter du 15 décembre 1882

Paris, le 28 Janvier 1883

L'Administrateur



~~Paid by Post Office~~
~~Please check my~~
~~account with~~

Miscellaneous

ENGINEERING: 1882

PUBLISHING
DEPARTMENT.

AN ILLUSTRATED MONTHLY JOURNAL,
EDITED BY WILLIAM H. MAW AND JAMES FREDGE.

Offices, 35 & 36, Bedford St. Strand,
London, W.C.

20th day of March 1882

J. H. Edison Esq

Menlo Park, New Jersey.

Dear Sir,

I beg to advise you
that Mr Kenot Smith has
ceased to represent us
in America, and we shall
be obliged therefore, if
you will remit your
subscription direct
to this office.

Yours truly
Charles Gillett
Publisher

Miscellaneous
MAY 27 1882
MECHANICAL NEWS

Issued on the 1st and 15th of every month. ESTABLISHED IN 1811. Subscription \$1.00 per year in advance.

JAMES LEFFEL & CO., Publishers, No. 110 Liberty Street.

SWIFT & TRYS, BOSTON.
W. H. H. BLACKMAN, Sole Manager.

New York, May 2d, 1882.

Dear Sir:

As perhaps you are already aware, we have found it necessary to remove our principal Office of publication to this City, where we have had a branch for some years.

Here, we have better facilities to serve our readers and patrons, and secure the improvements we desire to make. With this end in view, we have engaged special artists to sketch from life, such illustrations as will place the "Mechanical News" the first in rank of practical illustrated journals.

Here, we are able to make personal inspection of many of the important innovations and improvements, as well as a fuller investigation of topics pertinent to the field occupied by the hour.

We shall treat all topics without personal bias, and shall aim, in the future, as in the past, to do good to the greatest number.

We return thanks to you and all our readers for their favors. That there may be no break in your file of the "News," we beg leave to say, that your subscription will expire with our issue of May 15, 1882. We shall be glad to have your renewed, feeling confident you will be well repaid.

Yours Truly,
James Leffel & Co.,



70
D. VAN NOSTRAND,

PUBLISHER, IMPORTER AND BOOKSELLER,

28 Murray and 27 Warren Streets,

P. O. No. 111
New York, _____ 188

12
Mr Lamson

My dear sir

I have enclosed
in a parcel to J. A. B.,
which I send by ~~the~~
to night a copy of
Putnam's manual.

I ~~also~~ enclose
herewith a list of
his other works any
of which I will get
you if desired,

Always at
Your service Jan

Yours truly
C. B. Speers

D. VAN NOSTRAND, 37

PUBLISHERS, 107 N. 3RD ST.,
NEW YORK

Am. 1882
Spec



Handwritten signature or name, possibly "Theodore Tilton".

Main body of handwritten text, appearing to be a letter or a list of items, written in cursive script. The text is somewhat faded and difficult to decipher but seems to contain several lines of prose or a list of names and dates.

No. 193

New York, June 15 1882

Received from THOMAS A. EDISON,

Five Dollars,

Check No. 49, Western Union Co.

In full to date - for balance due 1881

\$6.00
\$6.700

Arthur & Duesel, N. Y.

RECEIVED BY PAYEE
JUN 19 1882

D. Appleton & Co.
Per Benjamin

[TO CHARLES BATCHELOR]

KEPLER & SCHWARZMANN,
PUBLISHERS,
No. 23 & 25 Warren Street,
New York, July 19th 1882.

Dear Sir,

Your subscription to "PUCK" expired with
No. 250 July 19th. If you wish to renew same,
please remit by Money Order, Draft, or Registered Letter.
Currency at 50c unless other at risk of sender.

Respectfully yours,
KEPLER & SCHWARZMANN,
D. Batchelor

One Copy, one year
One Copy, six months
One Copy, three months

ADOLPHUS NORRAIKOW,

MISCELLANEOUS

SCIENTIFIC+BOOKS

P. O. Box 1848.

New York, July 26th 1888

J. A. Edison Esq

Dear Sir

I forwarded
to you by Express July 25th 1st Vol
of *Alphons Tracy* ordered by *Wheeler*
Kindly let me know if it reached
you safely

Yours truly

A. Norraikow

Johnny

Pay this man

J

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELAYS JUNE messages only on conditions limiting its liability, which have been assumed to by its sender of the following message. Service can be guaranteed against only by repeating a message twice on the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of this fund herein, nor in any case where the claim is not presented in writing within sixty days after sending the message.

THEOS. V. BUCKLEY, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
5	W. M.	M. M.	16 Collect

Received at MA Aug 9th 1882

Dated, New York

To, Saml Inwell

Mulo Park

Will send \$100 on pass

tomorrow. Can you send me check

for Ward Empress bill.

C. E. Spiro

W. M. draw check for this. A/c is on
my desk Inwell



D. VAN NOSTRAND, 37

PUBLISHER, IMPORTER AND BOOKSELLER,

28 Murray and 27 Warren Streets,

P. O. Box 1211

New York, *Aug 11* 188*2*

Friend Insull

Check came to hand this morning, Tell Mr Edison that there is nothing in English or Gasz other than what he already has. I presume he wants something on the chemical changes produced on fuses under high temperature. I have searched everywhere without finding any thing. Have a party looking up files of chemical formulas for memoirs etc.

Name of Putnam & Co. is at the bottom of the page.

D. VAN NOSTRAND, 37

If he finds anything
will send it without
delay
Yours truly
B. S. Speer

[Faint, mostly illegible handwritten text, likely bleed-through from the reverse side of the page.]

Received of the
B. S. Speer

Joseph Kappeler.

A. Schwarzen



Office, at 27 Warren Street.

New York, Aug 22 1882

Sam'l Ince's Esq

Musto Park N.Y.

Dear Sir,

Your favor of the 21st is to hand.
 As the subscription price to Europe is
 \$6.00 per year or 24 cents on each copy,
 we would desire you to send us the
 balance, or enough to cover the
 postage as long as the paper is to
 be sent ~~to~~ to 744 Batehels Paris.

Yours truly



347

Encyclopaedia Britannica

NINTH EDITION—AMERICAN REPRINT

HAVE BEEN AWARDED MEDAL AND DIPLOMA



U. S. CENTENNIAL EXPOSITION, 1876.

New York, Oct 16 1882

Mr J. A. Edison

Bought of J. M. STODDART

Publisher

CONVEYANCE

Terms Cash.

NO. 16 E. FOURTEENTH STREET.

(Near Union Square)

Vol. 14	Encyc. Britannica	Brown Cloth			5 00
			RECEIVED PAYMENT, J. M. STODDART, Per J. B. Lewis		

MAKE POSTAL ORDER PAYABLE AT STATION D. N. Y. P. O.

United States Agency "ENGINEERING."

15 Astor Place, New York, N. Y. 1882

Dear Sir:

Your subscription to

ENGINEERING

will expire on Jan 14 1883. We shall be pleased to renew it at the same price of \$10.00, mailed to your address from London, Eng. postage prepaid.

Yours respectfully,

JOHN WILEY'S SONS.

* Books, &c., imported from Europe to order.

USE BRENTANO'S LONDON EXCHEQUER JET BLACK INK.

ESTABLISHED 1852.

BRENTANO BROS.,
PUBLISHERS, BOOKSELLERS, ENGRAVERS,
STATIONERS,

AND MUSIC DEALERS,
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P. O. Box 1401.

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BRENTANO'S CHESS MONTHLY,
\$1.00 per Annum, 50 cents per Copy.

AMERICAN CANOEIST.
\$1.00 per Annum, 50 cents per Copy.

New York, *Sept 26* 188*8*

Mr. G. Johnson
Dear Sir
I take the liberty of
writing you hereunder
that I of Electro-Technical Brothers
The Manufacturers Electrical and Dynamo-
Electrical Machine and the so-
called "Lamp" Patterns by
"Henry the Law" (54 illustrations)
Please examine and let us know
whether we shall send you
the subsequent sets, when
the appear.

Very Respectfully
Bretnano Bros

Don Quixote -

Gil Blas.

Bulwer's Novels,

Victor Hugo's Novels

Dickens' Novels,

Hawthorne's Novels

Longfellow's poems in full.

Abbott's Life of Frederick the Great.

Hans Andersen's tales for Children

George Eliot's novels,

Cooper's Novels,

Carlyle's French Revolution

Life of Frederick the Great

Macaulay's Essays,

Phillips (Brishovitar) Speeches,

Speers, can you fill this bill.

want good solid binding

only nothing fancy -

How long will it take -

good ordinary size type =

Edison

26

Let Bottle stand
from Spina Dura

Speers
Care D Van Kester
Ho Boole-shay

THE EDISON ELECTRIC LIGHT CO.,
65 FIFTH AVENUE.

New York,

Dec 12 1887

Mr James Russell
Dear Sir -

I can
furnish the books
named in yours
Recd this am, at
a days notice.
If you let me
know to morrow am
I can send some
of them up in the
evening & the balance
the following day -

Yours truly
O. C. Speck

POPULAR SCIENCE MONTHLY.
PER ANNUM. \$3.00
NEW YORK MEDICAL JOURNAL,
[WEEKLY] PER ANNUM. . . \$5.00

MAGAZINE DEPARTMENT.
D. APPLETON & CO.,
1, 3 & 5 BOND STREET,
NEW YORK.

Dec 18th 82

Mr. T. A. Edison,

Dear Sir:

We enclose bill for 50
Science Monthly, sent to your address
Aug 25th 1882, and shall thank
you for a remittance to cover same
at your earliest convenience.

We are anxious to close our a/c
before the 1st prox, and as the amt
is overdue, we trust that you
will give it your early attention.

Yours truly,
D. Appleton & Co
Jones

HOUGHTON, MIFFLIN AND COMPANY'S PERIODICALS.

THE ATLANTIC MONTHLY.
THE ATLANTIC PORTRAITS OF EMERSON,
HOLMES, LOWELL, WHITTIER, BRYANT,
AND LONGFELLOW.
BOSTON MEDICAL JOURNAL.



THE (LAW) REPORTER.
U. S. OFFICIAL POSTAL GUIDE.
AMERICAN JOURNAL OF OTIOLOGY.
EDINBURGH REVIEW.
QUARTERLY REVIEW.

ESTD 1827 All communications relating to the Periodicals should be addressed, HOUGHTON, MIFFLIN & Co., The Riverside Press, Cambridge, Mass.

Boston Office, 4 Park Street.

New York Office, 11 East 17th Street.

The Riverside Press, Cambridge, Mass., DEC. 20, 1882.

DR. THOS. A. EDISON,

MELO PARK, N. J.,

DEAR SIR:-

WE INCLOSE BILL FOR THE JOURNAL OF OTIOLOGY, FOR 1882 AND
1883, AND SHALL BE PLEASED TO RECEIVE YOUR REMITTANCE BY RETURN MAIL.

IF YOU CANNOT PAY FOR BOTH YEARS NOW, PLEASE REMIT \$3.00 FOR THE
CURRENT YEAR, AND IF YOU DO NOT WISH THE JOURNAL FOR NEXT YEAR, NOTIFY
US AT ONCE, AND OBLIGE

YOURS TRULY

Houghton Mifflin & Co.

1882. Edison, T.A. - Clubs and Societies (D-82-012)

This folder contains correspondence, bills, receipts, and other documents relating to Edison's membership and activities in social clubs and professional societies. Also included are requests by clubs and societies for lectures by Edison and for exhibits of Edison's inventions.

Approximately 50 percent of the documents have been filmed. The following categories of documents have not been filmed: published proceedings; printed circulars; form letters and other routine correspondence regarding meetings and other activities.

1882
New York Jan 20/82

Dear Sir

I have been requested by the
family to inform you and to ask
you to inform other friends in
the American Society of Mechanical
Engineers, that Alexander L. Holley's
funeral will occur twelve o'clock
Wednesday next at Plymouth
Church Brooklyn

Trusting you
will be able to attend

Yours truly
Sydney B. Morse
perle

37
Telegraphic Address INSTITUTION, LONDON.
The Institution of Civil Engineers,
ESTABLISHED 1818. INCORPORATED BY ROYAL CHARTER 1828
25, Great George Street, Westminster, S.W.

3 February 1882

J. A. Edison

Dear Sir, Wentworth

In the hope that you may be
disposed to offer some brief remarks on
the subject of the "Candle Power of Electric Light"
I venture to send a proof of a paper
sent to be discussed here, and to say
that any observations you may communicate
will be submitted to you in proof before
being appended to the discussion.

Yours faithfully
James Forester
Secretary

L. E. FEVRE & CO.,
CIVIL AND MECHANICAL ENGINEERS.

St. Anthony's Chambers,
26, Gudge Row, Cannon Street,
London, E.C.

Feb 6th 1882

Balloon Society of Great Britain.

Dear Sir I duly received your letter of the 5th July last in which you informed me you would be unable to lecture before our Society, it not being your intention to visit England.

Our Winter Session has commenced, and so highly do we prize the advantage of affording our Members and the Scientific world at large, an opportunity of becoming acquainted with your ideas and aspirations as to the applicability of Electricity not only to public and domestic lighting, but also to the varied purposes of Communication, including aerial navigation, in which you have written that I am emboldened to beg you would do us the great favour to send us a communication which could be read to a special meeting of the Society.

Believe me to remain
very faithfully yours
Prof. Edison
Manila Park
New York, U. S.

W. H. Stone
79.2.82

Reply to your favor
of 6th Dec. I
am sorry to
have to decline
your invitation
to send a communication
to be read at a
meeting of your
Society. My time however
is so entirely
occupied by experimenting
and practically
developing my various
inventions that I am
obliged to invariably
refuse such requests
as you ask of me

The Southwark Foundry and Machine Company,

Sole Makers of

The Porter-Allen High Speed Steam-Engine

J. MERRICK, President
E. C. PORTER, Vice-President
G. A. DODD, Chief Engineer
C. B. RICHARDS, Superintendent

PHILADELPHIA, March 20 1882

Admitted
John A. ...

J. A. ... Ph.D.

My Dear Sir:

I have been invited to pre-
sente for the meeting of the Am. Inst.
of Mechanical Engineers, which meets
at the Hall of the Franklin Institute
in this City on the 15th of next month,
a paper on the application of my engine
to your Dynamos. I have been so oc-
cupied that I did not attend to the
matter, but on the request being some-
what urgently repeated, I have thought
if you were agreeable I would endeavor
to comply. I should want to make them
unpleasant if I do it at all, and
if you feel inclined to have it done I will

Vertical handwritten note on left margin

The New York Electrical Society.

This society will meet at 8 p.m. Wednesday, March
5th, 1882, in Mott's Hall, 64 Madison Avenue.

Officers and standing committees will be chosen
to serve during the ensuing year and other im-
portant business will be transacted.

J. Moffett
ACTING SECRETARY.

NEW YORK.
MARCH 3, 1882.

The New York Electrical Society

The rooms of this society are ready for use, and will be made as attractive as the state of the Treasury will permit. Contributions of books or instruments will be thankfully accepted, and the prompt payment of dues will greatly facilitate the success of our organization; but it is especially desired that members shall avail themselves of the privileges of the rooms, which are accessible day and evening. Key at Janitor's room, third floor, Telephone building.

Messrs. F. W. Jones, E. C. Cokey, Geo. B. Scott, J. W. McLaren, W. F. Widmayer and S. K. Dingle are authorized to receive and receipt for dues.

M. M. DAVIS,

Financial Secretary,

106 BROADWAY.

F. W. JONES,

Pres't.

Over

W. L. L. Co

Dr. Sir, I send two bills, one
 for 3 months, the other for one
 year, thinking that possibly you
 may prefer to remit for the latter
 period to avoid being bothered so often.
 We would like to have you call
 and see us if you can spare
 the time.

Yours Really
 M. T. Davis
 Treacy

1958 May

[ENCLOSURE]

New York, June 2 1882
Mr. J. A. Edison

To NEW YORK ELECTRICAL SOCIETY, N.Y.

Please present this to Secretary for receipt when paid.

To Initiation Fee

To 6 Month's Dues.

Ending Sep 2 1882

Rec'd Payment June 19 1882

1 50

M. M. Davis

FINANCIAL SECRETARY

New York, Sep 2 1882
Mr. J. A. Edison

To NEW YORK ELECTRICAL SOCIETY, N.Y.

Please present this to Secretary for receipt when paid.

To Initiation Fee

To 12 Month's Dues.

Ending Sep 2 1883

Rec'd Payment Oct 7 1882

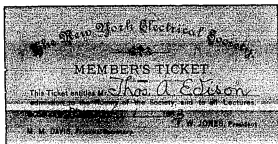
3 00

M. M. Davis

FINANCIAL SECRETARY

10 Paid

[ENCLOSURE]



15

The New York Electrical Society

New York, June 15th, 1882.

Dear Sir:

This Society will hold its regular monthly meeting in its rooms, in the building of the Metropolitan Telephone Company, cor. of Liberty and Greenwich Sts., on Friday, June 23d, at 8 P. M.

Prof. A. E. Dolbear of Tuft's College will deliver a lecture on "The Development of Telephony," and by request of the Executive Committee will exhibit his new Telephone System.

Members are at liberty to invite friends interested in Electrical Science.

A full attendance is desired as a motion to change the night of meeting from Wednesday to Friday will be acted upon, in order to secure a full vote on the question, those who are unable to be present are requested to be represented by proxy. The rooms are now ready for the use of members, and Tickets will be furnished on application to the Financial Secretary.

Very Truly,

J. M. MOFFATT,

Recording Secretary.

15

The New York Electrical Society

New York, June 15th, 1882.

Dear Sir:

This Society will hold its regular monthly meeting in its rooms, in the building of the Metropolitan Telephone Company, cor. of Liberty and Greenwich Sts., on Friday, June 23d, at 8 P. M.

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Very Truly,

J. M. MOFFATT,

Recording Secretary.

Miscellaneous
Stevens Institute of Technology

DEPARTMENT OF PHYSIOLOGY

Hoboken, N. J. Aug 31 1881

My dear Mr. Edison:

The annual meeting of the Am. Soc. of Med. Corps on the 30th & Thursday in Nov. will probably be unusually well attended and exceedingly interesting.

It terminates our first year and as retiring President, I hope to go out "in a blaze of glory" and that the meeting will be long memorable for the value and interest of its papers and proceedings.

Will you not make a point of preparing

or having prepared one or more papers describing some of your most interesting work and especially of such as will give some idea of the magnitude and the value to the country of some of those investigations which you have been so quickly carrying on.

I want to see a good deal more safely on record relating to your work.

Yours truly,
Wm. C. C.

Wm. C. C.
P. H. Johnson

h
- 1 2 3
2 3 4 5 6 7 8

AMERICAN SOCIETY OF MECHANICAL ENGINEERS.

SECRETARY'S OFFICE, NO. 239 BROADWAY,

New York City, Sept 6 1882

Dear Sir:

I am directed by the President

to notify you of your appointment to a Local Committee for the
Annual Meeting Commencing Nov 2nd next

of which Prof Wm P. Doolittle
is Chairman. and to a sub-Committee on Excursions

On receipt of your acceptance, I will inform you of the
final constitution of the Committee, which thenceforward will
look to the Chairman for instructions.

Respectfully,

THOMAS WHITESIDE RAE,

Secretary.

To Mr. A. Edison Esq

26

AMERICAN GEOGRAPHICAL SOCIETY,

11 WEST 23RD STREET,
NEW YORK, *Recd. p. 100*

OFFICERS

President,
CHIEF JUSTICE DALY.

Vice-Presidents,
GEORGE W. SELLEYS, U. S. ARMY,
FRANCIS A. STOUT,
ROSELEA B. MITCHELL, D. D.,

Foreign Corresponding Secretary,
J. CAMRON BIRBYODOT.

Domestic Corresponding Secretary,
JAMES NEULENBERG BAILEY.

Treasurer,
ELIAL F. HALL.

Secretary,
GEORGE CADOT WARD.

Chancellors,
WILLIAM HERRIN, HENRY B. HARRISON,
T. BAILEY MYERS, ROBERT L. VEELE,
W. H. B. STORRS, CLAUDE KISS,
WALTON W. EVANS, GEO. H. BLANCHARD,
FRANK BRUNSBERGER, W. W. ASTOR,
PAUL B. DE CHALLAS, CHARLES H. BARDWELL,
HARLOW M. HOYT, CHARLES H. BARDWELL,
H. O. HALL.

Chief Clerk,
ROBERT CURRIEN.

SIR:
Your name has been proposed
as a Fellow of the AMERICAN GEO-
GRAPHICAL SOCIETY and approved
by the Council. If you desire that
the nomination be acted on, will you
oblige by notifying the Chief Clerk
at this place, at your early conven-
ience?

Very respectfully yours,

Charles P. Daly,
President.

To *Thomas A. Edison, Esq.,*
65 Fifth Avenue

The objects of the AMERICAN GEOGRAPHICAL SOCIETY are the collection,
discussion and diffusion of geographical information, the promotion of the
exploration of our territories, especially of the great region lying between the
Mississippi and the Pacific; to establish in the chief maritime city of the
country, for the benefit of commerce, navigation, and the great industrial and
material interests of the United States, a place where the means will be afford-
ed of obtaining accurate information for public use of every part of the habit-
able globe; the survey and preservation of our harbors; the condensation and
diffusion of the details of explorations in other countries; an interchange of
results and the perpetuation of the record of the observations of intelligent
travel in all parts of the world.

The Society (founded in 1852) has attained its quarter century. While passing through its early struggles it has participated in many enterprises which have added to, or promise to further, the material wealth and prosperity of the country. One of four similar Societies, at that time, it now exchanges its collections with one hundred and six scientific associations, scattered over the world, whose publications in return, may be found on its shelves. By the liberality of a few appreciative patrons, it occupies a building purchased for its use, conveniently located and appropriately arranged, with ample room for the 14,000 volumes of its library, which is adapted to its field of effort and second to that of no similar society; and its unique collection of over two thousand sheets of maps, all of which are accessible to the use of a great commercial community. Travelers, scientists, strangers and citizens properly accredited, may have the use of the rooms, library and collections of the Society, with the advantages of a club house, except that of refreshments, which it has been considered proper to omit. Happily the Society is not only free from debt and with a surplus applicable to additional usefulness, but now possesses a very valuable property. A "Bulletin" containing a synopsis of the Society's transactions is published several times yearly, as required, and also a "Journal" at the end of each year.

By the payment of an Annual Due of ten dollars, a Fellow is entitled to the use of the house; admission to the reading of papers; a copy of each of the publications; or can, for one hundred dollars, commute for life the expense of all these privileges, as has been already done by ninety Fellows. The few vacancies occurring from this and natural causes, the Society seeks to fill with names calculated to strengthen the Society at home and abroad.

1882. Edison, T.A. - Employment (D-82-013)

This folder contains correspondence from or about employees and prospective employees.

All letters that contain a significant response by Edison or that are from individuals associated with Edison have been filmed, as well as correspondence from individuals who were subsequently employed by Edison. Approximately 40 percent of the documents have been filmed.

Subject:

THE SOUTHERN BELL TELEPHONE AND TELEGRAPH COMPANY,
197 BROADWAY.

New York, Jan 30th 1952
In reply to yours of

*Rec'd
21*
Saml Insull Stey

Dear Sirs

Is there any chance
for a situation with your Company
for me? I am doing a little extra
work here which may keep me
abt two weeks longer.

I wish you would try & find me
steady employment of some kind
even if I go on at a reduced
salary to start with.

Pls address me as above &
oblige

Yours faithfully

C R Richards

LE

THE
SOUTHWARK FOUNDRY AND MACHINE COMPANY,

SOLE MAKERS OF

The Porter-Allen High Speed Steam-Engine.

W. H. PORTER, President and Treas.

G. F. PORTER, Vice-President.

G. A. BOSTWICK, Secretary.

C. B. RICHARDS, Superintendent.

PHILADELPHIA,

Mar 8

1882

J. A. Caldwell Esq

We send the enclosed with much pleasure as we know the man who writes it as one having long experience in running the Porter-Allen Engine and also as a very intelligent man.

We presume you recognize the advantage of having an experienced man about the engine.

Very truly
SOUTHWARK FOUNDRY & MACHINE CO.

W. H. Porter
Pres't.

N.Y. March 6/82

Mr. C. Post

Dear sir

A friend has told me that Mr. Edison intends using your Engines for his light. if so he must require a number of them and must needs have some men to care for them. I have had the care of one of the most successful of them for over 12 years and one that has added to the reputation of the Poston Allen Engine as much as any Engine running.

Therefore I feel in no way backward in asking you to use your influence in that direction for me being certain I could serve you ^{as well} under Mr. Edison as I did under Thos. Hoyt & Co.

If you should be pleased to notice this a letter would find me address

[ATTACHMENT]

John Whiston
Machinist

Frank Leslie Publishing House

21. College Place New York

or
30 Olive Street
N.Y.

Remain
Very Truly
John Whiston

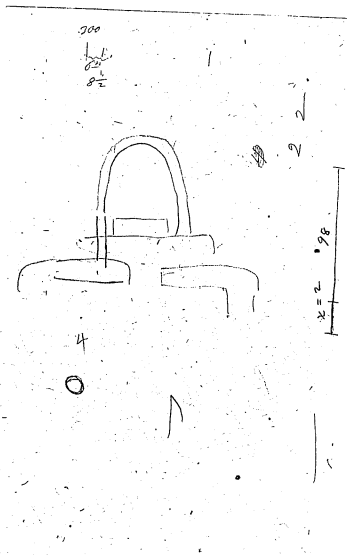
[ATTACHMENT]

Mr. Edison

Perhaps you
would like to try
this man in the
engines at Goerck
St. first

Clark

[ATTACHMENT]



THOMAS A. EDISON,

No. 65 FIFTH AVENUE,
NEW YORK, 31st May 1882

John D. Randolph
Mentlo Park
N. J.

Please give the bearer Mr
E. C. Rowland, a desk in the
Office & supply him with
any stationery &c he may
require. He will be engaged
on patent office drawings
for account of Edison Electric
Light Co. You are to pay
him \$10⁰⁰ per week which
please charge on your
weekly statement against
the E. E. L. Co.

Yours truly

Saml Insull

Bury Rowland a
Commutation Ticket between
Mentlo Park & New York &
debit same on E. E. L. Co
Statement

37

20 NASSAU STREET,

NEW YORK, May 4, 1886
Dover

Prof. J. A. Edison
Says that just at present
true cannot ^{be} ^{fixed} ^{at} ^{present} ^{time} ^{place} ^{where} ^{but} ^{will} ^{do} ^{so}
soon get fixed. ^{Kindly} ^{excuse} ^{me}
for addressing you on behalf of
young Mr. Frank Wendell.

Mr. Henderson advised me that
you desired to see the young man,
& I directed him to wait upon you.
He failed to find you yesterday,
& being engaged at this time he says
man with the Rand Mill Co., he
cannot freely dispose of his time.
If not inconvenient, please indicate
at what place & on what day after
4 or 5 p. m. he could present
himself.

Continued observation has confirmed
my conviction that he is a young man of
unusual talent, energy & firmness of char-
acter beyond his age.

Yours very truly
Geo. A. Cooper

RECEIVED

APR 22 1882

ANSWERED

I dont see how I
can do so - He better
guarantee his wages as
I have no money

Mr. Adams

FILE NO. 1882

May 19th 1882

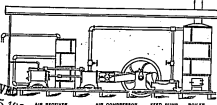
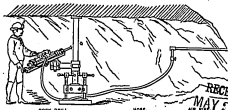
Mr. Eddyson Esq.

London St.

Said to the Liberty State
in writing to you - on this occasion
you have a man working for you
at Menlow Park named -
Charles Williams, who owes me the
sum of Ten & 10^{cts} Dollars
for meat Justice to him when he
was out of employment November
15th 1879. Now that he is to work
I think it is nothing more than Justice
that he should pay me. I accordingly
let you know that you would
call him to pay me by saying
you will compensate me a good favor
I remain very respectfully
Your obedient servant
Eaton Amos Brewster
Morton Commlly -

ADDISON C. RAND,
Pres.

J. R. RAND,
Sec. & Treas.



ROCK DRILLS,
AIR COMPRESSORS, &c.
GENERAL MINING MACHINERY,
RENDROCK BLASTING POWDER,
BLASTING BATTERIES & FUZE.

RECEIVED
MAY 25 1882
ANSWERED
RAND DRILL COMPANY,
FILE NO. 240 BROADWAY, NEW YORK.

May 24th 1882

Prof. P. A. Edinow -

Dear Sir -

Hoping that you will not
it too great a liberty on my part, I would write to ask
you if I might (without any inconvenience to you) remain
a week or so at the above place (where I have a position
as junior mechanical draughtsman) before going to Maine in
the laboratory? There is only one besides myself in this office
and there is lots of work so it would be leaving them in
a bad fix to resign so suddenly & give them no chance to
fill my place. I should have asked you this yesterday
when I saw you, but as it was only for a minute
before you went to the laboratory I did not wish to
bother you. Hoping to hear whether it will be satisfactory
to you, I remain Yours most respectfully,

F. A. Wardlaw
240 B'way
New York

PLEASE ADDRESS ALL BUSINESS COMMUNICATIONS TO RAND DRILL CO.

253 Elizabeth ave.

Newark, June 8th 1882

Mr Inoull,

Dr Sir:

If I should come to Menlo Park, would it be possible for me to obtain employment in your laboratory? I am very anxious to support my little children now as I have recovered from shills & fever. Perhaps you can direct me to some one in N. J. who would give me writing, copying or something of the kind - If so, I shall feel under very many obligations to you. Please let me hear from you as soon as convenient.

Yours very truly, Mrs. Stalbrand

THE EDISON ELECTRIC LIGHT CO.
25 N. 4TH AVENUE.

New York, June 3rd 1882

My dear Mr. Edison

John Campbell has written to call our attention to the fact that his services while in the company's employ for three weeks prior to Oct. 5th 1881, have not yet been paid for, and requests that the amount, which he fixes at \$45, be paid at once to avoid suit. Major Eaton's impression in regard to this man is that you made an arrangement with him to go to Ipswich St. and learn our business without pay, and that when he should be competent he was to go to Rio under salary, and that when the plant was ready to go, Campbell was not satisfied with the salary offered, and declined to go unless he was paid more. Please give me your recollection in regard to the matter.

You state it
Correctly,
Edison

Yours very truly
C. Goodrich

THE EDISON ELECTRIC LIGHT CO.,
25 FIFTH AVENUE.

New York June 14th 1882

W. R. McCarty

W. R. McCarty
R. Edison Esq.

Dear Sir:

Please inform me at once if I can have employment at Muelo Park or elsewhere in your service, together with the amount of wages you can give me. I feel the necessity for immediate employment, as I am in my last ditch.

Yours very truly

W. R. McCarty

BERGMANN & CO.,

100-124 WOOPER STREET.

(BY APPOINTMENT)

MANUFACTURER'S OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York, June 21 1882
Mr. J. A. Edison

Mt. Park N. J.
Dear Sir

Learn, Mr. John Cron
is a telegraph instrument maker
looking for a place - I have
recommended him to you as in
need of workman - He is a good
mechanic & I think I can recom-
mend him to you safely as such.

Yours truly
J. Bergmann
K.

New York June 22nd 1872.

Prof T A Edison

Menlo Park, N. J.

Sir,

I have been informed that you are in need of good Instrument Makers, Being out of a situation at present, and having a family to support, of course it is my wish to secure employment as soon as possible

You will probably remember me when employed in the Gold and Stock Telegraph Co., and when working for Jozin Oliver Street Newark

if you can find room for me in your Establishment you may rely upon my doing my utmost to give you satisfaction

Enclosed I send a note from Mr Bergman
Yours

Respectfully

John Crown
24 Downing Street
N. J.

Wish you than your regular
arrived in N.Y. I would
like to take you - case in
charge as I think of be-
ing in N.Y. sometime
after this Fall. I would
at 5 or 6 of the best
would come on one
Jan 3 if you could
Yours truly
R. H. Russell
The Editor

REPRODUCED FROM THE
LITHOGRAPHIC PRESS
LITH. VALENDE 1887

1887
1887

East Orange N. J. Aug 7. 82.

Mr. Thomas A. Edison:

Bristol

Dear Sir -

On applying at your 5th Avenue office, I was advised to state my case to you personally, which I do briefly below.

I am a student in the New York University and studied chemistry under the ^{late} Dr. Draper. He advised to follow out my inclination and take up electricity for my life work. This I wish to do by pursuing it practically as I did some years since as boy in a telegraph office - I am twenty four years of age, used to work and am willing to do whatever you should be pleased to set me at. If you care

2
to see me and talk with me, I shall be glad to suit your convenience.

I can refer you to Professor Henry Draper who knows me personally as well as my ability.

Hoping you may see fit to give me an answer,

I am respectfully -
Charles L. Bristol
East Orange
N. J.

Call to see
me.

East Orange, Aug. 12

18 1/2 paid
Mr. Richardson

Sir:

I found board in
Metuchen late on Thursday evening,
and will report to you on Monday
morning - 7.45 - ready for work.

Respectfully

Charles L. Bristol

straight now & all I need is
a helping hand to a situation.
Have not touched liquor in
any shape for over two months.
Hoping to hear favourably
from you

I am
Yours Very Truly
Wm. H. Gregory
28 Marshall St.
Newark N. J.

37

Gregory
Newark N. J.

Aug 14. 82.

J. A. Edison Esq

Dear Sir-

Will you give me
a situation with your Company
I have just returned from
England & want a position.
I worked hard for the Edison
system while in London up
to the time it was absorbed by
the English Co's. for which
W. J. Hammer will vouch as
he has given me a letter
to that effect & instructed me
to call at your place. I
can make a successful install-
ation of the light, put up
Dynamo's & make myself generally
useful. Will you give me a
chance. I am trying to keep

Acrid
27th Aug 22

37

Mr. Jones

Harriet Aug 27th 1892

Thos Edison Esq

Sir

I have been doing
with me a quantity of the
name of "The Early" the
most famous name to it in our
country.

I have been not been
finding little things, it is
thought of it and will be
all you to see it in a
with back, it is the most
to know for the to trust.

them areanges

By making some
ing this you will confer
a great favour

Yours truly

Mr J. Brown

London

February 10

1842

"Dox 12"

New York 23rd 1882

Mr. J. A. Edison Esq.

Having heard of fellow workmen
men that you are in need of men
I would be very glad to go back
to Menlo Park, that is, if you
like to employ me again.

I'm at present out of work

Yours Respectfully

Albert Einstein

145 Allen St.

N. Y. City

Do not want anyone
at present.

37

Aug 23

Station

[Handwritten signature]

Thos. A. Edison Esq,

2. Copthall Buildings,
Angel Court, E.C.
London. 24th Augt - 1882

Dear Mr. Edison,

It is a good many years ago
I had the pleasure of seeing you personally
but since that time I have been largely interested
with Col. Spruand in your various inventions. Col
Spruand has written a letter of introduction to you for
a Mr. Hamilton who wishes to enter the electrical
world & who, I believe, will be of great assistance
to you, as well as himself learning in your laboratory
(Should you see fit to take him with you). If
you can call him enter your laboratory you will confer
a great favor upon

Yours very truly
D. Parish

HORACE H. ELDRED.

31, Queen Victoria Street,
London, E.C.

Aug: 25, 1887

S. In call by:
68, Fifth Avenue,
New York.

Dear Sam! Everything busted
here for me. There has
been a complete re-organization,
staff cut-down, and I am
among the rest.
I would like you
to tell me what you have
got over there. Anything
for me? I intend to
"test" eyes on "spec", expecting
to find something when I
get there.
Write me at once

and add to the many
obligations of,
Yours faithfully
Edgar

I do not know
of any prospect
here just now
if you come
out I will do
the best I can
to get you one

[TO SAMUEL INSULL?]

THE EDISON ELECTRIC LIGHT CO.
65 FIFTH AVENUE.

New York,

Sept. 1 1892

2 Ashburton Place
Boston

Dear Chas,

This will introduce
to you Mr. R. T. Parker.

Upton spoke to Edison
about him and, as I under-
stand it, Edison proposes
to have him as librarian.

Mr. Parker has been an
intimate and esteemed
friend of mine for nine
years, and I have a high
opinion of his character,
and faithfulness, ^{with} which he
performs his duties. He
is not a remarkably scientific
man and that is not what

you want, but he is a
good business man and
with experience and a
level head. *Privately*
I do not think he would
be kept in the library long
as he would soon prove
too valuable in other ways.

This letter is written unmarked
by him, consequently I sealed it,
but I was led to do so
because I noticed that
\$7.00, according to Upton,
was the salary. This seemed
to me exceedingly small
and of course a married
man could not be expected
to work for that amt. long.

THE EDISON ELECTRIC LIGHT CO.,
45 FIFTH AVENUE.

New York, _____

188

In this case Mr. Parker's
desire is to come in and take
his chances, but personally
I should like to see a
better offer made say \$12.00
for the present, and I
feel confident of his
being readily of more
value. I am sorry to
trouble you but any country
which you can show Mr.
Parker he is well worthy of.
As truly,

Chas. F. Leland

The Edison Electric Light Company
65 Fifth Avenue

Herin Green Pres
S. B. Eaton Vice-Pres
C. P. Field' Treas
C. Goddard Secy.

New York Sept. 18th. 188

T. A. Edison, Esq.
Menlo Park,
N. J.

Dear Sir:-

I enclose copy of a note addressed to Major Eaton by
Mr. Alfred Pickard of London, if you desire any special answer
made to this, please let me know.

Very truly yours,

Howard

Secretary.

Enclosure

I have your favor of 18th
not. I have no special reply
to make to Mr Pickard

[ENCLOSURE]

London, 5th. Sept. 1882.

Major Eaton,

V. P. Edioson Electric Light Co.

Dear Sir:-

I am deeply sorry to have to inform you that my son will not be able to leave here to join Mr. Edison, circumstances having arisen which makes it impossible for him to do so.

Trusting that Mr. Edison will not have been much inconvenienced.

I am Dear Sir,

Yours faithfully,

Signed:-----Alfred Pickard.

Answer
to Col Dr

Monday, Oct. 2, 1872.

Mr. Edison:

Dear Sir:

I wrote the enclosed
nearly a week ago and have not, in
the rush of my affairs, thought to mail
it. It is of little consequence to you,
no doubt, but I should not feel right
to run away without saying something.
I hope you will not consider me affected
by the salary, for my only object is to
finish my course - already three years
gone. My night ^{work} enables me to do this -

I am going to stick to electricity and
I only want to enter the race without
too much handicap in lack of chemistry
mathematics etc. etc.

Respectfully

Charles L. Bristol

Tuesday, Sept. 27, 1892.

Mr. Edison:

Dear Sir:

I received notice on Friday of my appointment to a position for night work at the Custom House which I had given up as hopeless when I applied to you for a place. I had no means, then, of continuing my college course and was forced to work. I shall now be able to finish my course at the University (on Washington Sq.) and I respectfully ask you to allow me a leave of absence for about nine months, that is, until about July 1st of next year, that I may be graduated.

My course this winter will include Analytical Chemistry under Albert Gallatin and I will be better prepared in every way to do your pleasure. I should like, if it is agreeable to you, to continue a line of experiments by myself, say in plating or on the amalgamator, and report

2

to you when convenient. I would be able in this way to combine my laboratory work in college with practical work for you, and might strike oil somewhere.

I am required to go on duty at the Custom House on Thursday and my affairs at home are in such condition that I would like to quit at Newark to-night. I trust you will excuse my assuming haste in quitting, on account of the suddenness of my notice.

The black paste, I made for amalgamating is "acetate of mercurio ammonium". It may be made by treating mercuric acetate with ammonia water until the whole salt is transformed and then removing the surplus water by gentle heat, or, preferably, by vacuum paper. Fieser's "Organic Chemistry" Vol. II, has a short account of it, and "Chemical Solubilities" has the formula.

Respectfully

Charles L. Bristol

Address:
East Orange, N.J.

29
Direct, Morgan

P.O. Box 3030

New York

Oct 7 1882
Wright major
Kitts

Milford

Draft

At the request of
Mr. Rowell Allen I
mentioned your name to
Mr. Edison who says if
you will call on him at
either the Central Station in
Pearl St or Goerck St that
he will talk with you then
what can be done - this
letter will serve to intro-
duce you

Yours truly
J. Woodruff

54 India Street
Green Point C.I.

RECEIVED 882
OCT 24 1882
ANSWERED

J. R. Edison Esq.
FILE No. 27
Oct 25 1882

I beg to request if you will
kindly inform me will you give me a
chance to improve myself either in your
laboratory or in your shop in Jersey St

I have studied and have been practically connected
with Electricity for the last four and a half years
both as applied to telegraphy and the Electric
light, and it is my great ambition to obtain a
position as Engineer under you, or I would like to
go to Europe in connection with the light
I work for Mr. Benzmann, and if you wish you
can see me at any time

I remain Sir

Your Obedt Servant

Phil & Howard
I will speak to you
some time about this
150 Nassau Street

Letter of 22nd Oct 1882



ZOEDONE BUREAU,

12 Coventry St. ^{St. Paul's Church}

New York, 14 Nov 1882

Thos. A. Edison Esqr.

My dear Sir

Permit me to recall to your recollection that at the instance of Col. Gouraud, & William Parish Esqr. of London, you kindly intimated your intention of giving my Son a position in your laboratory under your immediate supervision. He has now been at your Pearl Street establishment for nearly two months, patiently waiting your pleasure, and while doing his utmost to consider himself useful, and if you will take the trouble to enquire, I think you will find his services have not been valueless, but he is ambitious, not only to be in a position to make them so, but to have, as speedily as possible, the expected opportunity of demonstrating his capabilities to you personally, and for this reason, as well as for pecuniary considerations, I should be greatly obliged to you if you will let me know when he may hope your kindly expressed intentions in his behalf are likely to be realized.

Very respectfully

H. G. Hamelton



ZOEDONE BUREAU,

~~12 Crescent St.~~
12 Crescent Slip
New York, 17th St. ^{Box} 1882

Thomas A. Edison Esq.
Dear Sir

I learned from
my son last evening that you have
instructed him to report at your laboratory
Monday morning, which I regard as a very
practical and gratifying response to the
letter I addressed to you in his behalf, and
for which I beg to tender thanks,
very truly
J. H. Hamelton

Corresp. General
OFFICE OF
WM. W. ACHESON.

Sosford, Armstrong Co., Pa. Nov 18th 1882

J. N. Edison Esq.

Dear Sir - Will you be kind enough to let me know where my brother Edward is at present and whether he is well and all right if he is still in your employ. I heard from him from Milan Italy about Sep 1st -

at that time two sisters of mine went over to Germany and met Prof. Columbus on the voyage, he took a letter from them to Ed. and I have learned from them that they have recd. no reply from him and as they did not know his address they are anxious, as well as myself, about his wellfare.

An early reply will very much oblige

Yours Truly

Wm. W. Acheson

answered
Dec 17, 1884

Thos. A. Edison Esq

Menlo Park Dec 10th 1884

Dear Sir

It has now been six weeks since I have been asked to leave your employ on account of the moving of your laboratory to N.Y. City, and (the meantime) I have asked the Supt. of the isolated department and others connected with similar institutions for work. I have worked hard to obtain employment with no success however, and now I am penniless, in consequence of which I ask you whether you cannot possibly assist me by finding me a temporary position somewhere in your large works, so that I might live until something can be found, I have been in your employ for nearly three years, and feel as though I understood something of the work required there. I cannot understand why I did not succeed in finding employment in Mr. Moore's department.

Yours Most Respectly,

Geo. Fickling
Menlo Park N.J.

Western Union Telegraph Company
President's Office
New York, Dec. 15, 1882

Prof. Thos. A. Edison

My Dear Sir,

This will introduce my friend David Blamley Esq. an old employe of this company and for a long time one of our District Superintendents.

Mr. Blamley is an expert electrician and has made many inventions in electrical apparatus and mechanism, one of which inventions which may have importance is in the line of electric lighting. He has a desire to find employment in that line and I commend him to you as faithful, competent and energetic man.

Respectfully,
Yours Truly,
Samuel Greer

New Brunswick Dec 15, 82

Mr Edison Menlo Park

You have a man
in your employ that owes me ^{seventy} dollars
his name is William Schroder and lives
in New Brunswick I am in want of
the money I understand he is making
good wages if so he is beter able to pay it
than I am to loose it if you will keep
it back for me out of his wages I will
allow you twenty five cents to the dollar
it is for three rent I hope you will
be kind enough to take notice of my
appeal I have taken legal measures

to collect it but he being worth nothing
I could only get ^{nothing} went with I
considered I worth nothing ^{and} withdrew
all legal proceedings, and appeal to
your influence and power thinking I hoped
you might be wrought upon to carry out the
ends of Justice I say again I hope you will take
notice of my request and accept my
offer of twenty five cents to the Dollar
the Debt is thorough honest and just
and he abundantly able to pay it out
of his wages he cant deny the debt
I have too much proof

As I am in want of the money
I might say need as I have been
very unfortunate in my pecuniary
matters as Mr Schroder knows none
but kind feelings exist on my part
toward Mr Schroder it is what I feel a
pressing need for the money

Please dont slight my letter
I but hope you will be kind enough
to respect my request and direct to
Alma Warner New Brunswick
New Jersey
care of Livingston Avenue & Delaware

I do not know your
first name so must direct
with your last name only

Wanam
Dec. 1882

JH

[ATTACHMENT]

Ref: to yours of 5th Dec
I have ~~nothing~~ ^{nothing}
whatever to do
with the private
debts of my
employees & must
decline your request

as far as your
collectors

will excuse my en-
forced absence. I will
be around again as soon
as possible.

Very sincerely yours
George Little

File 65-5th Ave
City

Mr. J. Edison

Dear Sir:

Mr. Vaip

informs me that he has nothing
at present but gives me refusal
of first opening. In the mean

time have you anything else
for me either at "Machinery Works"
or elsewhere if you have not
will you please give my pass
to "Machinery Works" that I may
make myself more thoroughly
acquainted with dynamoes so
that in the event of my securing
a position under Mr. Vaip
I may be the better posted
Very truly,
Alex. DeLish

1882. Edison, T.A. - Family (D-82-014)

This folder contains correspondence and other documents by and about Edison's family.

All the documents have been filmed.

Miss Will

Dear Bro

Miss Will
Edison, Pennsylvania

Walter Edison

Port Huron Jan 17 1882

I do not like to
write to you for any more
help but the facts are that
I only get \$600⁰⁰ a year from
the Company and it will not
pay my Expenses after paying
Taxes Gas & Water rate &c
now what I would like
provided you can spare
it some time this month
\$125⁰⁰ and the 18th of next
month about \$250⁰⁰ that I
think will bridge me over
until I can get something
from the road I know that
it is a mean for me to
ask this after all that you
have done for me but if you
cannot do it please let me

Knows for I must do
something ^{else} but don't do
it if you cannot show it
as well as not I know
that your Expenses are
large at present

all well at home WPE

Form No. 44.

NIGHT MESSAGE.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages and telegrams under the conditions specified in the tariffs, which have been assumed by the signers of the following messages.
 Messages are guaranteed unless they are returned to the sender, and the company will not be held responsible for any delay in transmission or delivery of Night Messages, and in reduced rates, unless the sender pays for transmission; and unless the sender has notified the company in writing within the time specified in the message.
 THE COMPANY DOES NOT DELIVER NIGHT MESSAGES and is delivered by request of the sender, under the conditions named above.

THE W. U. SHERKBT, General Manager.

NORTH GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
1184	@K	J. A. Edison	12a

Received at the WESTERN UNION BUILDING, 195 Broadway, New York. Jan 18 1882.

Dated, Detroit, Mich 18

To J. A. Edison

65 Trufch Ave NY

Arrived safely

Mrs J. A. Edison

Edison, personal

Miss Catherine

Amesbury
Newark Jan 18th 92
Dear going take her
Mr. Edison a group
off in a group
Dear Sir -

Etc My opinion
in writing your wife has
convinced me that her
pleasure makes you
much more likely to
succeed when her per-
sons support is in a fair
amount. - I have noticed
during the past few weeks
that she seems very anxious
and dependent on her health
that she will never recover

H. - I believe that an ex-
change would be
of benefit and if you
could take or send her
to Europe for a few
months she might return
improved in health and
be better pleased with
her surroundings here -

She seems so changed
physically and mentally
of late that some thing
ought to be done and
I am suggest nothing
better than the above -

Yours truly
Wm. D. Ward

33

Law-
Bumby

18 W 23rd St

Mr. Inall

As I did not
hear from Mrs. Edison today
which bag she would prefer
and fearing she might fail
to get a front row bag if
I waited a day longer I
have taken the one nearly
opposite the one she had
last year - No 5 If
however she prefers any
other unsold I will be

glad to make the change
Then are only four
front row boxes unsold
Then are several
middle row boxes

The price is the same
as last year box including
four tickets \$49 or (for 4 seats)

Hoping this box will
please Mr. Edison

Very truly
Sarah L. Guendy

Unsold front boxes
right (3, 4) left (29, 30, 31)

File
and
1/1/82

Port Huron Feb 1st 1882

Friend Insell

Please allow
me to remind you of the
money matter as requested by
you

Yours
W. P. Edison

Feb 11/82

D. Insull Esq

A \$125 on P. check for
 all O.L. now is every
 thing working with English
 and Parliam. and
all wires W.P.E.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been accepted by the sender of the following message. Express can be guaranteed against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Urgent or Registered Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECEIVED BY	CHECK
73	Wm J. G.P.H.		1027
Received at 791 BROADWAY			Feb 23 1882
Dated Aiken S.C. 23			
To Samuel Inall Esq			
65 Fifth Ave			
arrived here yesterday send letter			
to Highland Park Hotel			
Mrs Edison			

This telegram has just been received at the office in 791 BROADWAY, near Tenth Street, where any copy should be sent.

DIRECT WIRES.

W. H. F.

Patterson March 7/82

Dear Sir

Rec'd check all OK
many thanks I rec by the
papers that TA is in London

Yr Svc
W. H. F.

Blank No. 1.

1220p

THE WESTERN UNION TELEGRAPH COMPANY.

This Company transmits and conveys messages under the following conditions. Messages, including the facilities, which have been prepared by the Company, are subject to the general conditions of the Company's regulations, and the Company will not be liable for errors or omissions in the transmission or delivery of messages.

This message is an UNRECORDED MESSAGE and is delivered in plain text of the message only, in accordance with the above.

A. H. HILWEN, Secy. *170* NORVIN GREEN, President.

Dated *Green Cove Sp. La. 13* 188*7*

Received at **791 BROADWAY.** *McK 13*

to Mr. Saml. Consett
65 5th avy

READ THE NOTICE AT THE TOP.

We will remain here
until Wednesday
Mr. A. Edison

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.



Miscellaneous
Mch 20.82
Hardwick

20 March 1882

Dear Madam

I am commissioned by the Graphic to select portraits for publication among their types of American beauty. In looking over Mr Andersons gallery I have seen one of you that would make a nice picture & I should like permission to publish it. He do not as a rule give names but in the case of the lady of so distinguished a descent as Mr ~~Anderson~~ Edson I should like to add the name I am Madam

of Mr servant
Ben Hardwick
Please reply care of Mr Anderson
B H

REGISTERED MAIL - 1882

Miscellaneous
April 2.82
W.C. Edson
OFFICE OF

WILLIAM WASTELL,
Drugs, Patent Medicines, &c.

AND MANUFACTURER OF
WASTELL'S CONDITION POWDERS AND REMEDIES,
No. 1 MILITARY STREET, ~~PORT HURON~~

PRESCRIPTIONS A
SPECIALTY.

APR 14 1882
ANSWERED
PORT HURON, MICH. ~~APR 14 1882~~

I Insure Esq

will be on hand
May 7th 1882

W.C. Edson

Block No. 1.

Apr 29

THE WESTERN UNION TELEGRAPH COMPANY.

The Company transmits and delivers messages only on conditions, limiting its liability, which have been accepted by the sender of the following message.
Errors can be corrected only by repeating a message back to the sending station in accordance with the Company's regulations.
This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions stated above.

A. R. BIRKBECK, Sec'y.

754 NOVEL OPEN, Providence

Dated

Memo Card 1/1/11

Received at **791 BROADWAY.**

To *Mrs F Maxwell 687 Ave*

READ THE NOTICE AT THE TOP.

*Please send me Macy's
bill of items
Mrs Edison*

IF THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

Miscellaneous

Alon Versell ^{May 2 87}

order Mrs E.
please send them

order as soon as possible to be
able to send them before
Friday yours Alon Versell

Order for Mrs. Versell & Robbins

1/2 lb. bot. Ext. Musk Rose

1/4 Orange Blossoms

1/4 Paltrouli

1/4 Jasmine

1/4 Yellow Honey

1/4 Euphorbia

1/4 Carnation Pink

1 doz Bot. Florida Water

1 doz bot. Machine Scent Cream

1 doz cakes Colgate's Cashmere

1 doz Toilet Soap

1 doz Lubin's Eau de Cologne

1 doz Toilet Soap

1/4 doz Bot Strawberry Juice
2 lbs Nutmegs
2 " Black Pepper
2 " White "
1 " Bromide of Potassium
1 " Chloride of Potassium
1 doz Bot Ferdlik powder
2 lbs ground Syge
1 lb powdered Licoria Root
1 lb Iris Root
5 lb Peal Sage
2 lb Canary Bird Seed
5 lb whole Thlasseed
5 " ground Thlasseed
3 lb ground Mustard
2 lb powdered Rennie Stone
10 lbs Saffron
1 Bot good Mucilage

1 doz Bot - Citrate of Magnesia
1 lb Benic Linciment
1 lb Colloidal Linciment
1 lb Ess Peppermint
1 lb Ess Jamaica Ginger
1 lb Ext Vanilla
1 " " Lemon
1 " " Banana
1 " " Orange
2 gals Bourbon Whiskey
2 " good Brandy
2 " Port Wine
2 " Madeira Wine
2 " Table Sherry
1 " Sweet Malaga Wine
2 cases pint Bot - Apollinaris ^{Water}
2 " of Bot St-Jules de Calaret

1 lb. tincture of Benzoin
2 " Optic Oxalic Acid
3 gal Alcohol 95 Percent
1 lb. No. 1 & 2 powdered Allspice
2 " " " Spirits of Anisic
1 " powder Cinnamon
1 doz pkgs Powd. Beeth Bark
2 gal Bay Rum
1 lb. Powd. Caloco
2 " Cream Tartar
5 " Shells Earth
3 doz Pkgs Helons Gelatine
1 lb. Gum Copal
1 gal Olive Oil

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed to by the sender of the following message, transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. BOKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
5	N.Y.	N.S.	6 collect
Received at	N.Y. 5.15 P.M.		May 10th 1882
Directed	New York		
To	S. Smull		
	Route come with name		
	W-day		
	W.P. Edison		

May 24/82

B Insull Esq plus fund

Enclosed a letter which I
received for the agt- of the Union
Line of Cars you will see they
want \$163⁰⁰ for Car for the horses
it would cost no more to take
10 or 12 horses so I thought
it would be a good thing
to buy more that is a cheaper
class of horses than we want
and I could make a little
money on them please show
this to J & E and see what
he thinks about it I have been
over about half of Canada
I have got the single horse
for Mrs J & E tell her he is
the ^{best} horse in the west can
hold in 2,40 and a child can

drive him cars nothing
for Cars or RR tracks
and I have got in been
4 or 5 teams the most
trouble I have is to get
Horse that will stand
the Steam Cars but think
will have them this week
as to making a start
by June 1st I have also
got 243 bush of plumed
oats I think they should
have a car of feed which
would last them a year
please speak to J. E. and
see what he thinks of it
it will be necessary to have
a little more money as let

know if I shall draw
I will you send check
plan answer by letter
or Telegram on receipt
of this

Yours
W. E.

THE WESTERN UNION TELEGRAPH COMPANY

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which has been accepted by the sender of the message.
Sender can be placed again only by repeating a message back to the sending station for comparison, and the Company will not hold itself liable for errors in transcription or delivery of messages sent. Messages are not delivered to UNREGISTERED ADDRESSES and is delivered by request of the sender under the conditions stated above.

A. N. GREEN, Sgry. NORVIN GREEN, President.

Dated *W. P. Edison* *May 31* 1882

Received at *Depot* RECEIVED
S. A. Lusk MAY 31 1882
ANSWERED

READ THE NOTICE AT THE TOP.

Message *May 31 1882*
W. P. Edison *car*
No. *1122*

feed will want four hundred dollars.

W. P. Edison

11 Collect
car *11 22 am*

THE WESTERN UNION TELEGRAPH COMPANY

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which has been accepted by the sender of the message.
Sender can be placed again only by repeating a message back to the sending station for comparison, and the Company will not hold itself liable for errors in transcription or delivery of messages sent. Messages are not delivered to UNREGISTERED ADDRESSES and is delivered by request of the sender under the conditions stated above.

A. N. GREEN, Sgry. NORVIN GREEN, President.

Dated *W. P. Edison* *6/1* 1882

Received at *W. P. Edison*

READ THE NOTICE AT THE TOP.

will start Monday
on Tuesday next
W. P. Edison

7 Collect
7 am

THOMAS A. EDISON,

34
No. 65 FIFTH AVENUE,
NEW YORK, June 15th 1882

To Mr. Kles &
Ans

Dear Mr Christensen

Will you please see
if there has been a draft of
400.00 Dollars drawn by W. P. Edison
against Mr T. A. Edison has been
paid and charged to Mr Edison's
account. We have not received
any notice of it.

Very truly

Saml. Insull

paid on June 15
CSC
C. D. Christensen Esq
200 Nassau Street
& Broad Street
N. Y. City

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed to by the sender of the following message. Errors can be claimed against only by retaining a receipt back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission due to UNRELIABLE PAID MESSAGE and in delivery by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
1	Zt	E	8 Collect

Received at Menlo Park, Depot July 1st 1888

Dated, New York N.Y. 6/30

To J. A. Edison
Menlo Park
Mrs. Edison will stay at
Johnsons tonight
Jusull
Rcd 7 40 am July 1st

THE WESTERN UNION TELEGRAPH COMPANY.

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This is an UNRELIABLE MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
3	wa	E	11 Collect

Received at Menlo Park Depot 7/25 1888

Dated Park New York Mich 25

To J. Jusull
Frank's will start for
Menlo Park Wednesday
night this week
W P Edison

Port Haven Aug 28 1882

Grand Inland

Read this Chest
all OK hope the Blk horn is doing
well. May was telling me
that the water was bad at the
barn. Could you not run pipe
from the pump at the well so
as to get a supply of fresh water
tell Mrs J. if the big team should
not fit the bill I have found a
team that will and the team they
now I think would sell for
the amt they would cost or about
as much this team can be got for
\$500⁰⁰ and the man should buy
that down there but I hope they
will answer

Yours W. E.

33

W. P. Edwin

Port Huron Sept 21 1882

Friend Inez

I received
your Telegram of your brother
Joe Commy this way he left
the boat at Detroit and came
by Rail to Port Huron and we
got him to stay with us until
the next boat and we had a
good time we like him very
much and hope to see him
again and also your own
dear self in the near future
I received a letter from Joe
on his arrival in the town west
he was all O.K.

I had a talk with J. A. E. before
I left Mends I was telling him
if I had some Capital I could

deal in horses out here and
made some money and he told
me he would let me have some
funds in Sept but I don't
like to write him unless he is
easy in money matters and
thinking you would know
all about that please let me
know and if things are easy
I will write him but if not
will say nothing about it the
season is just coming on to
buy heavy horses for the lumber
woods and fit them up for
market by the first of August
next when they will bring a
big price hoping to hear from
you soon I remain

Yours
W. B. Edison

Mademoiselle de Janon's

(SUCCESSOR AND FORMER PARTNER OF THE LATE MISS HAINES)

ENGLISH AND FRENCH SCHOOL FOR YOUNG LADIES AND CHILDREN,

NO. 10 GRAMERCY PARK,

(EAST TWENTIETH STREET),

NEW YORK.

1883-1884
10

MADemoisELLE DE JANON solicits the continuance of the patronage which has been so generously bestowed upon the School in past years, trusting to manifest her grateful appreciation of it, by her devotion to the pupils who may be entrusted to her.

The object of the School will be to combine a useful and accomplished English Education—with a practical knowledge of the more important Modern Languages—French, German and Spanish.

The course of study will be thorough and comprehensive, conducted on those plans which, after many years' test and experience, have been found best adapted to develop the various powers of the mind,—inspiring Scholars with a love of learning,—forming habits of attention and application, and at the same time strengthening the reasoning powers; laying a good foundation of Elementary Knowledge by careful early mental training in the Infant and Preparatory School,—giving, if possible, an impulse to each mind, and cultivating an intellectual taste.

Terms for Day Scholars.

1st CLASS.....	Tuition in Latin, French, Drawing, and all the studies comprised in an Extended Literary and Scientific English Education, per annum,	\$250
2d and 3d CLASSES.....	Tuition as above, with an Elementary Course, for pupils of the age of 12, and over,	200
JUNIOR CLASS, .....	.....	150
PREPARATORY CLASS. For the Course, yearly in advance, .....	.....	100
	Fuel for the Season,	0
BOYS' CLASS.....	Yearly in advance,	100

Terms for Boarding Pupils.

Board and Tuition in Latin, French, Drawing, and all the studies comprised in an Elementary and extended Scientific Education.	\$300 for the school year.
Fuel,	6 " "
Sent in Church, at cost.	" " "
Washing, at cost.	" " "
Extra charge for expenses incurred in case of sickness.	" " "

The Spanish, Italian and German Languages, and other accomplishments, are taught on the terms regulated by the teachers employed.

Boarding Pupils will furnish their sheets, pillow-cases and towels. No other articles necessary.

The School Year will commence September 28th, and end June 15th. All bills for Board and Tuition, or Tuition alone, payable in advance on the entrance of the pupil, and on February 1st. If the pupil is withdrawn before the close of the School Year, full payment for the year will be required. No deduction made for absence.

It is expected that a small sum will be advanced to meet the bills of music teachers, washing, and other incidental expenses sanctioned by parents and guardians, for the disbursement of which an account will be regularly rendered.

All extra expenses, without the consent of parents, will be carefully avoided.

New York, September, 1883.

31

Oct. 2 1892

Belmont

EDISON AND FERRISS SCHOOL FOR YOUNG LADIES AND GILDBRICK
125 WEST 125 STREET
NEW YORK

Received of *Thomas A. Edison, Esq.*
the sum of *Three hundred and thirty five* dollars
for *tuition for the past half year*

Miss Margaret C. Edson 100

Miss Marion C. Edison 100

Mrs. A. Thomas 100

Tuition for the season for ten 121

4312

Received of *Thomas A. Edison, Esq.*
the sum of *Three hundred and thirty five* dollars
for *tuition for the past half year*

Oct. 2, 1892

Answer
17th Nov 82
GAE

Port Huron Nov 14th 1882

I wrote you some time ago but got no answer I have got to make a raise in some shape my Expenses are more than my salary and the result is I go in debt now if you are in shape to help me I wish you would but let me know for I owe \$375 to the bank due Dec 6th also Taxes & interest to pay in January it is now the fall of the year and many newspapers to purchase now as I have got to raise some money somehow or I must sell our house or the Rail Road stock I'll doubt wait me to sell the house and I would like to keep the stock but one or the other must go unless I get out side aid so I wish you would answer soon as I will know what to do I should have at least \$1000 to put me in good shape but any amt will help some be short and let me know as something must be done
W.P.E.

34

S. Edwin
Post Humm Nov 15/82
S. Insull Esq
Dear Sir

I have
just parted with 1st
check yesterday 14th inst
Thought I would advise
you of the fact
weather here cool but
pleasant.

Very Truly Yrs
S. Edwin
S.

108

I received a letter from Insul saying you thought you could help me the fore part of December I have done Board paper Dec 10th and if possible would like to take care of it but if you cannot do so I would like to know before that time for I must arrange for it in some way

I wish you was here and look over the St. RR business I can see and I think you would how we can get back all the money we have lost in the road and the parties that caused the loss would in the long run be the losers of the whole loss since the consolidation in March 10 1877 when you was here we have had no meetings the whole thing is left entirely to me they make no complaints and know nothing about the road even Washburn is silent since you was here the City has passed over one mile on our line I had to lay the ordinary street RR track with new timber & cost of laying track was 2600.00

built a new Car house at cost of	450.00
Paid off all the floating debts	1652.00
" one dividend (which should not have declared)	1100.00
Rebuilt 2 Cars at a cost (just finished)	550.00
Paid on Sanborn Extm ⁿ Mortgage	1000.00
added at least to our horse stables	800.00
built new track this fall good for many years <small>Intⁿ notes on north end</small>	480.00
	\$ 6300.00

note this has all been paid out of the earnings of the road since 1879 I intended to put the pay boxes on the Cars in the Spring but the boxes in St. J when I was there last summer getting Cars ready now but these Chaps think because they don't get dividends after doing all this that the stock will never be good for any thing and I think I can buy them all out at 25-05 on a dollar and I know it is worth more at day for the real estate and Iron alone is worth all 25-05 say nothing about Franche & St. J RR Cars House

now all I have had 17 years of experience in this business
and I know I am right in this my plan to get the road
would be to buy enough stock with ours to control them
quietly first then up one by one I think it would well
fall in for he is very hard up Cole is busted Johnson
run away + Old Reed is dead and John P. Sanborn is out
of the Customhouse as you see the old opposition gang is
about played out and with them it is a long road
that never turns what I would like after what they
did and the way they have turned out is get on top
once more and control the stock of this road Post
Harris is growing rapidly you would hardly know the
place since you was here two years ago we have a new
Rail Road to Almont 30 miles south west one to Post
Austin 100 miles up shore with branch to Sand Beach
and a direct road to Saganaw 98 miles by Iron
Bridg across the mouth of St. Lawrence large timber
+ C we have a population with interest of at least
13000.00 and increasing every day it is all built up
along our line from City to Post and next spring this
will begin to show what it can do if you could
not go in so strong your self I thought you and
your boys that is your stuff I might form a little
duplicate and clean their chops out I would like to
see you and talk it up I know I could convince
you better by talking than writing but any way all
answer this would like to have you answer it
personally

W.P.E.

P.S

Can alone or western selling
down to Cornwall number
in to Miami or the babies
would like to hear from you before

1892 6/21

Fort Howard Dec 11th 1882

Grand

Inscribed sent J & E letter
today please see that he gets
it and obliges

W. P. Ellison

Port Huron Dec 18/82

Dear Bob

Please find enclosed
one of the matters that is pressing
me at present this party has a
mortgage on my home which I
can be unable to pay the
interest and he has paid my taxes
for 1881 and unless I do something he
will foreclose if you could see
him he might let up at least for
a time you see he does business at 27
Park Place st 4 he is a very nice man
but you know all these nice men
wants their pound of flesh let
it hit whom it may

WPE

Dear Bro

Port Huron Dec 18th 1882

I got a letter from Insul in
Nov stating that you could
help me for Port of Dec I had
some bank paper protested Dec
6th but have since renewed it
for short time as I need some
out side help and unless I get
it I must sacrifice for sure I
dont want to let go that is my
Home or the RR Stock Port Huron
is growing so rapidly that both
will be worth double what it
would bring now in less than
five years it is hard to raise money
out here at present but if I must
let go it is better for me to know it
sooner this letter if you say so I
will send the stock back to you also
a deed of my Home I would rather you
would have it than any one else and
when I pay you you could let me have
it back again all well 202E

Dear Sir

Pittston Dec 27 1882

I received letter from Innes saying
he was going to go Boyah I owe him 2000
but it is not due for two years and a half and
as long as I pay the interest he will let it ride
and by the time it is due I think the place will
bring at least \$5000. for Pittston is building
up very fast I have got 180 acres of land
up black river 6 miles which I only own \$750⁰⁰
due in yearly payments for the next four years
and is worth at least \$3000⁰⁰ I also have some
personal property say \$1000⁰⁰ besides the Rail Road
stock which I consider yours as much as mine
also some property in Gratot worth at \$1200⁰⁰ nearly
in all property worth at least at this time \$15000⁰⁰
and I owe less than \$4000⁰⁰ and \$2750⁰⁰ of that is
coming on long terms so you see what is
troubling me at present is about \$1200⁰⁰ or \$1300⁰⁰
dollars to put me in easy shape Innes says that
you are hard pushed for money at present &
I do not like to ask you to do so much for me
under the circumstances and if you cannot
of course I must sell something for what I will
bring for they are pressing me very hard here
every day and I must raise money or they will
make me trouble and costs so let me know
by return mail for I cannot put them off
any longer

W.P.E.

all well

1882. Edison, T.A. - Honors and Awards (D-82-015)

This folder contains correspondence and other documents relating to honors and awards conferred on Edison by governments, colleges, learned societies, charitable organizations, and other institutions. Documents relating to honorary memberships in social clubs and professional societies can be found in "Edison, T.A. - Clubs and Societies."

All the documents have been filmed.

Personal
File
9/1/82
Miss Esp.

Department of State
Washington.

Jan'y 6. 1882

Dear Mr. Edison.

It will perhaps please
you as much as it has pleased
your many friends in this
Department to learn that the
French government has deco-
rated you with the cross of
Officer of the Legion of Honor.
We have just received the
diploma and cross, which
will be sent to you in a few

days.

This decoration entitles you
to wear a round red rosette in
your button hole for every day
use, while the big cross hatches
on your coat for full dress.

Very truly yours

Alvey A. Adee

Chief of Diplomatic Bureau

Dept of State.

1
Department of State,
Washington, January 7, 1882

Thomas A. Edison, Esquire,
65 Fifth Avenue,
New York, N. Y.

Sir,

I take great pleasure in transmitting
herewith the decoration of Officer of the
Legion of Honor, with its corresponding
diploma, awarded to you by the
French Government on account of the
merit of your exhibits at the late
International Exhibition of Electricity at Paris,

the

the same having been received here
for you, through the Legation of France
at this capital.

I am, sir,
Your obedient servant,
Jed^o J. Fulington

From Egypt
May 7. 82
Depy of War.

Please copy
reference (11111)

- Encloure. A diploma as above.
- Accompaniment. A package containing
the decoration of Officer of the Legion of Honor.



January 11th, 1881.

J. A. Edison, Esq.
Dear Sir:

*Wm. Eaton has informed me of the
honorable recognition of your services to
the world by appointment as officer of
the Legion of Honor. Please accept the
congratulations of your Fall River friends,
among whom count*

Yours very truly
Spencer Borden

Answered
6/20/89
J. W. Foster

Department of State,
Washington, April 9, 1889.

Sir,

There has been received at this Department a diploma awarded to Thos. A. Edison by the Melbourne International Exhibition of 1887.

I will thank you to inform me what disposition you desire to have made of it. The Department will deliver it to such agent as you may suggest, or to Adams' Express Co., addressed as you may indicate, upon the return to the Department of the enclosed receipt duly signed. When the same is delivered in either way the responsibility of the Department will terminate.

I am, Sir,

Your obedient servant,
J. B. Bancroft Davis
Assistant Secretary



Dr. Messrs

A. S. P. Hall,

Lewis College,

Northfield Vt. June 7th 1881

Thomas A. Edison Ph.D.

Windsor Park, N.Y.

Dr. Sir,

allow me to

*truder you, from the Chapter in this college,
an honorary membership in the A.S.P. Fraternity.*

*Please notify me as soon as convenient
whether or not you feel inclined to honor us
by accepting. Trusting that you will think
favorably of it.*

I remain,

Very respectfully,

Your obdt. servant,

Geo. P. Miner.

By order of the Chapter.

A

File

Exhibitions per Bureau of Education

Department of State,
Washington, Sept. 7, 1882.

Thomas A. Edison, Esq.,
65 Fifth Avenue,
New York City.

Sir,

I transmit herewith a Diploma of honor, which was awarded to you at the International Exhibition of Electricity recently held at Paris.

I will thank you to sign and return the enclosed receipt to this Department.

I am, Sir,

Your obedient servant,

F. O. McLaughlin

Acting Chief Clerk

Diploma per Adams Express

Enclosure
Form of Receipt

1882. Edison, T.A. - Insurance (D-82-016)

This folder contains correspondence and other documents relating to the payment and renewal of Edison's insurance policies.

Approximately 10 percent of the documents have been filmed. Bills, receipts, and routine correspondence have not been filmed.

JOSE F. DE NAVARRO,
75 BROADWAY,
Post Office Box 2595.

1887-06-02

New York, June 2nd 1882

Thomas A. Edison Esq
My Dear Sir:

Mr Cyde wants you on his list of \$50,000 prominent Policy-holders, & has issued you another \$25,000 Policy for same as you have, which he recommends very highly, as being a good investment.

I join with Mr Cyde in asking you to accept same from my knowledge of the management of the Society (having been a Director for 23 years) & can also recommend it to you, for just dealing, & prompt payment none can compare with the Equitable, as it issues an Incontestable contract.

Mr Gilder Blodgett will

deliver you the Policy, you will oblige Mr Cyde & myself, besides making a good investment for yourself by taking the same.

Yours truly

J. M. Navarro

Mr Cyde regarding
Mr C on stockholder

De Navarro
June 2nd 1882

1887-06-02

34

Nov. 24. 1882
copy

The Equitable Life Assurance Society.

120 Broadway, New York, Nov 25th 1882

TILDEN RODGENT, Manager,
120 BROADWAY,
NEW YORK.

Thomas A. Edison Esq
Rive + West City

My dear Sir: I have seen your private secretary, and had several promises from him about settling your indebtedness to me. I finally six months standing. I paid society at your request July last in which you said you would send to me check in a few weeks.

It has now run into months and no check. I am financially out of pocket just the society or I would not press you, as I have.

You have \$50,000 insurance, in a society that guarantees an irrevocable contract, & pay immediately upon receipt of proofs, so that you can leave

\$50,000 ready cash for your family or estate to carry on your numerous projects with out sacrificing any interest by forced sales etc.

The wealthiest men in our City save \$50,000 to \$300,000 on their lives, for the above reason,

Death is so sudden & comes when unexpected, besides being Life Insurance you are making an investment, laying away year by year \$2,000.00 which will yield you a return of about 4% in addition to the money paid, as per estimate, besides being good \$50,000 Life Insurance for 15 years.

Let me have your check for the 29th inst, as I have taxes to pay & must about efforts & greater oblige, with best wishes

Yours truly
Gilder & Co
4

1882. Edison, T.A. - Payroll Receipts (D-82-017) [not filmed]

This folder contains payroll receipts for Menlo Park laboratory employees. The Edison National Historic Site also holds an extensive collection of employee time sheets for the period 1878-1931. The time sheets for 1878 have been filmed as a representative sample (see Thomas A. Edison Papers Microfilm Edition, Part I, 17:621-876).

1882. Edison, T.A. - Unsolicited Inquiries (D-82-018) [not filmed]

This folder contains unsolicited correspondence requesting agencies for Edison's inventions, inquiring about the purchase or cost of his inventions, or asking for other information about his inventions.

1882. Edison, T.A. - Visitors (D-82-019) [not filmed]

This folder contains routine letters of introduction and requests to visit Edison. Letters that received a significant response by Edison, or that were written by individuals associated with Edison, are filed in their appropriate subject folders.

1882. Electric Light - General (D-82-020)

This folder contains correspondence and other documents relating to the commercial introduction of the electric light and to technical aspects of electric lighting and power, such as the design of lamps and generators and the materials to be used as filaments.

All the documents have been filmed.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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The message is an UNREPEATED MESSAGE and is delivered by request of the sender under the following conditions:
W. H. BREWER, Sec'y. NORVID BREKEN, President.

Date Nov 10 1884

Received at 781 BROADWAY

To L.A. Edison
65 Ave

READ THE NOTICE AT THE TOP.

*Will the english
dynamo run monday
when can I bring
proof brackets
H. R. Kepton*

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN
781 BROADWAY, near Tenth Street,
WHERE ANY REPLY SHOULD BE SENT.
Direct Wires.

Rochester, N.Y.
Jan. 3/82.

Mr. Edison,
My Friend:

Just now
a competition is going on here
between the "Western" & "Trust
Light." The Western with ~~some~~
success has been in operation
for three or four months,
while ~~Trust~~ the "Trust"
only opened up with one
to light machines about three
weeks since, & which the "Trust"
though limitedly tested, has the
States. Some of our old Gas
stockholders are stockholders in the
local Trust Co. to hedge against loss.
All this is for your benefit which
I think in with your inquiries as to our
Gas Co's, ~~but~~ which I answered last Spring.

Now, as to another matter
of some importance to me & of
equal importance to ~~me~~ you.
You are not represented here in
any way, though we old telegraphers
have always & do still swear by
Edison. Your lamps have
never been seen here. I want
one of your ~~standard~~ lamps or
in case lights to show in my office,
not the light, but just the lamp.
How can I get one?

Yours truly

W. B. Church

For 30 years Manager

Western Union

Please send by express
one 16 Candle & one 8 Candle
lamp - Get these from ~~London~~

Amesbury Sept 14
1884

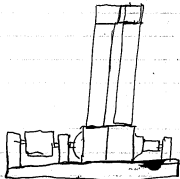
THE EDISON LAMP CO.,

Thos. A. Edison,
Chas. Batchelor,
Francis R. Upton,
Edward H. Johnson.

Menlo Park, N. J., Jan 4 1882

Dear Mr. Edison:

I have been over in my mind the machines. I want a 150 light A machine built after the old model, not yet tried, of putting two magnets side by side and keeping the ^{diameter} ~~size~~ of the armature the same.



THE EDISON LAMP CO.,

Thos. A. Edison,
Chas. Batchelor,
Francis R. Upton,
Edward H. Johnson.

Menlo Park, N. J., _____ 188

To do away with the long ~~shaft~~ ^{shaft} I want two bearings for the end on which the pulley is. I want four brushes on the commutator and a long commutator.

I think such a machine could be made without much extra expense as you know have all parts but the shaft base and new bearings. The magnets, commutators, ends and disks in armature to would be the same. The resistance would be low of such a machine giving a greater per cent of effective return than two A machines.

THE EDISON LAMP CO.,

Thos. A. Edison,
Chas. Batchelor,
Francis S. Upton,
Edward H. Johnson.

Menlo Park, N. J., _____ 188

as there is less wire on
the ends of the armature
than ~~is~~ on the A machine.

You may remember that this
plan of a machine has been
a hobby with me for a year
and a half and whenever I
have time to think it over
I want to see one made.

Yours Truly
Francis S. Upton.

Low on it on 1/2
A m. making 12.5 light
track in 1/2 to 3/4
armature & one feet
magnet to do the business.

The Edison Electric Illuminating
Company of New York
65 Fifth Avenue

Amos Light
[]
Jan 5-82

New York, Jan 5th 1882

G. A. Edison Esq

I was asking you some
time since about altering the
dynamics on board the Columbia
there are three A's and one fielding
but we only use two of them
with the one fielding, now what
would you propose, we need
115 lights. Can we get it all in
one or with engine direct on
dynamo. Please give it to some
of your young ones to work up
& oblige

Yours Truly
J. C. Alcock

82 Broadway Room 17

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE,

NEW YORK, *July 9* 1882

To: Deodone

John W. Deodone
Denver

Pa⁹ 11110

Est.

Dear Sir

Referring to your letter
of Dec. 26, 81 Mr. Edison desires
me to write you that he has
no difficulty whatever in main-
taining a perfectly steady light
free of all flickering or noise.

Yours truly
T. Edison

Per Sec. m.

Mr. Edison's light is not
an Arc Lamp but an
Incandescent Lamp. He
has not experimented very
much on the former
believing the latter to be
the only light possible for
General distribution.



Commercial Light
Mayor's Office

Hamilton, Ont.

14th January 1882

Dear Sir -

I understand that you have purchased an interest in Woodward's Patent Electric Light - Do you desire to purchase any further interest?

I have an interest for sale and should you desire it I would undertake to purchase for you additional interests.

I think I could do this better than any one else as I am well known to the stock holders.

I was obliged for the abstract which you were kind enough to send me nearly two years ago -

I have been Mayor of this City for the last three

you but shall not be Mayor when this reaches you so please direct address to Mayor's Office & taking it from you in weekly Returns
Edwin Fay
Went's Park N.Y.
U.S.
}
I have any day
J. P. Kelly

Amud.

Amud Eight

International Congress of Mathematicians
United States Delegation
Paris

Philadelphia Jan 23, 1892

My dear Edison:-

I have received
a letter today from
Prof. P. E. Tillman,
Prof. of Chemistry at
West Point Military
Academy asking from
whom he can procure
some of your B lamps
for his class experiments.

You once sent at my
request half a dozen
to Prof. Michie, Prof. of
Physics there; but these
he says are all broken.
If you are inclined
to send him half a
dozen more to experi-
ment with, please do
so; if not please tell
him of whom they can
be ordered & the price.

Cordially yours
George F. Barker.



Hotel Brunswick,

Fifth Avenue, 257 & 259

New York,

Madison

Dear

Madison

11 July 1882

Wickell & Koster.

My dear Mr. Green: I am glad you
will be kind enough to show
me his works in the City today
and I was requested to do
so in this morning.

I have just received a
letter of importance which
will demand my attention
at the New York Office
this morning. If I get
through my firm I will
call upon you about the
road aspect.

Yours truly
Geo. S. Ladd

Spring Valley Mining & Irrigating Company

Location of Mine Cherokee Public Co.

Cherokee, July 16 1882

Richard Alley, President
Louis Mass, Secy

My Dear Mr Inbull -

Major Logan & Groshadell
left for New York about middle of
June for purpose of securing the Electric
Light franchise of the state of Ala

I am interested with them and am
anxious to hear whether they have been
successful in their efforts and if the matter
is fully arranged

Now I will consider it a great
favor if you will kindly telegraph me
the desired information, I know you
are constantly busy - but it will not
take long to write a telegram - Have
written Mr Edison, but fear I will not get
a reply -

I sent you after my return from New
York, some good amalgam and a specimen
or two - which was registered and received
by Mr Harrington - tell Harrington I did

not think he was the kind of a man
who would appropriate a registered package
and never even mention it to you! Eh?

Cordially yours
Loni Glass

Done

Ed. 12.12

47

publ'd.

Isaac Suggs
Feb 22 82
Richmond

100 11 11 7 2 New York February 22. 82.

Mr. J. H. Alden, Editor, Prof. Meikle Pack.

By the receipt of your letter I was
gladly gratified in view of your
kind and attention.

My invention relates to an exact and self-regu-
lating regulator of electric currents produced by
Dynamo Electric Engines, and other sources of
Electricity.

The construction of my apparatus is simple
and solid, it is not subject to any disturbance,
is small in dimensions and moderate in price.

My regulator acts as a perfect automatic and
works equally good under any condition - with
a few lamps as well as with a thousand and over.
It operates all hands; you are wanting now for
operating the resistance box.

There will not be a great number of lamps con-
nected with my apparatus in some hundred lamps are
existing in the city of New York and elsewhere of the
light of as many lamps are lightened at once.

My apparatus protects your lamps from all
such accidents, and operates all irregularities.

Yours truly
Isaac Suggs

22. St. Francis's High School

and shall avoid in every manner and exactly the
 consumption of electricity by light with
 the greatest efficiency. My object is to maintain
 that all this is effected without the electric
 current being interrupted in any point of
 the lighting system, which is very essential
 to a moderate amount of electricity energy, with the
 saved and all contacts are secured from being
 burned. It is necessary for the construction of
 the construction to such ends, it is very
 sensibility required in the construction of the
 My Electric Lamp and Regulator is a modification
 of some similar construction I have
 already used in Europe for electric light
 purposes with good and successful results in my
 own work.

My first intention was for your use, but
 in view of the offer made, independent of you,
 in the first place, even before applying for
 Letters Patent, I have decided to
 please a wider market. If you will argue in
 for your part of the company, I will be glad to

uninterrupted work.

curtly. You propose me to communicate it to you.

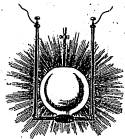
Perhaps you would like to let pass it as your own invention or to let the Patent under your name? - I should not object if you grant a reasonable price.

My decision is a matter of course. You may arrange this in a suitable way, however your own advantage will advise you to settle this business as soon as possible.

Yours respectfully,

E. P. Drexler,
Civil Engineer, Electrician
320 East 5th Street.

We have got about 20 or 25
 regulators already many
 of which we are going to
 send out to give them a
 thorough test in practice.
 The difficulty is not
 to get a regulator
 but one that will be
 reliable in the house of



THE UNITED STATES ILLUMINATING CO.

90 Chambers Street.

EUGENE T. LYNCH, President.

JOS. W. CHAMBERLAIN, Secretary.

APR 8 1892

ANSWERED

SOLE GRANTEES OF ALL PATENTS AND RIGHTS
OWNED BY THE UNITED STATES ELECTRIC LIGHTING CO.
FOR THE CITY OF NEW YORK, ETC.

Answered April 7th 1892

Mr. A. Edison Esq
Dear Sir

*As you requested I send
herewith my address that you may
make the proposition we talked of.*

*Please make to me a \$2200 and
three years contract as early as they
will oblige.*

Respectfully
W. C. Chamberlain
Sup. U. S. I. Co.
90 Chambers St.
N.Y.

OFFICE OF

Tatham & Brothers,

RECEIVED

APR 18 1882

ANSWERED

April 12, 1882

Manufacturers of Lead Pipe Sheet Lead & Sheet
C. P. Robinson Co. New York 226, 228 South 5th St. Philadelphia

Philadelphia April 17 1882

Mr. Thos A Edison
Menlo Park N.J.

Dear Sir

Please let me know
to tell me where I can purchase one of
your small incandescent electric lamps and
the best form and number of cells of battery
required to operate it successfully. The lamp to
which I allude is the one where a spiral filament
is suspended in a vacuum in a glass bulb.

An early reply will oblige

Yours very respectfully,

Robt H. Engle

Genl Jackson & Bond

Don't make spiral carbon
lamps - ~~because~~ I would
require about 50 cells Carbon battery
to light eight candle lamp which can be purchased of
C. P. Robinson Co New York 226, 228 South 5th St Philadelphia

they would be used not more than 3 or 4 hours a week.

Also, please inform me how many revolutions per minute the machine ought to be run at, & how much variation from that can be allowed.

My Engine gauge is per minute, & I propose to drive the dynamo direct from the 54 inch fly wheel. This would give (on a six inch pulley) 600 revs. for the dynamo. Is that too fast?

Also please run with the lamps a bit of lead safety wire of the proper size & length for the proper protection of the dynamo - or

else the data I need ~~is to~~ ~~make~~ make it for myself.

What is the minimum, or normal resistance safe for the machine to run on?

I shall be grateful for any other information about the machine and its proper & safe use, that seems desirable to be given.

Yours truly

Ed. Young

POST-PAID PERMIT NO. 100 NEW YORK, N. Y. DIVISION OF BUREAU OF ELECTRICITY
and the Company will not be held liable for errors or omissions in transmission of telegrams if transmitted
This message is an UNRECORDED MESSAGE and is delivered by request of the sender, under
no responsibility of the Company.

A. B. BREWSTER, Secy.

NORVIN GREEN, President.

711 New York 11 188

Received at New York Post Office

at New York

READ THE NOTICE AT THE TOP.
Have you had copies
made of the Lead agreement
where can I get them
Answer to Hoffmann House
W. Laughlin

16 paid 4/12 1908

is faster than it is safe to run it. However even at that, to my surprise on putting the current into an arc lamp I hardly get any length of arc.

Have you any bobbin of this size [5 inches diameter] wound to give more electrostatic force. I understood you to say that you had. If not I might get you to put me on a smaller pill, though that would not be very good as it would slip.

I have ^{with} no resistance in the wire of the field. If I knew how many turns of wire there were on the magnets I might cut into

37

21 MARION AVENUE,
ROCHESTER, NEW YORK.

May 14 1882

My Dear Edison

Your men have finished putting in the lamp and machine and it is a very handsome job indeed. I find however that we made a mistake in putting in the low resistance bobbin ^{as} with 2000 ^{and plates of spirit glass} revolutions a. I cannot get up the lamp and get about 2000 revolutions the requisite brilliancy. I have to speed the gas engine up to ^{high speeds} about 208 revolutions, and that

them and divide the resistance into two there. The two magnets are not in series now.

We made some trials with secondary batteries on a trunk today and they promise well. I believe the Platee would be good enough to smooth the current but it requires careful proportion as to internal resistance and electromotive force. About ^{small ones} 300 in series would I think smooth this current and those ^{smaller ones} I made today are only in half pink part. 18 of them when charged right after they

were made would light up the whole 32 lamps ^{possibly} for an instant and remember there was no red lead and no time for forming or made a Dren Faure cell, but unless the red lead is dragged up it forms connections when it reduces into lead and we do not have time to fasten it up properly. Moreover an accumulator is not what I want, if the battery will hold charge enough to run the lamps a second or two that is all that is necessary.

Please tell me how about the bottle and meantime accept my sincere thanks. Yours truly,
Henry Draper

I hope you can come in here again soon.

Everybody is smiling this
little flint very much and a
ton as I can get in a Faure
battery from smooth the engine
it will be perfect
I had a long conversation
with a gentleman interested in
the design of the Grand Bell
about your locomotive. They have
water pump in materials that they
do not intend and they are disposed
to look into the matter
I have just had a letter
from Baker & Co saying the Faure
battery will be just got another
out of the patenting of his gas engine
completely of your kind of course it

37.

is used on a steam engine May 22. 82

With best thanks

I am
Yours truly
Henry Duper

My wife says that her
my piece of business is now she
is going to bring me to her
I have just had a letter
from Baker & Co saying the Faure
battery will be just got another
out of the patenting of his gas engine
completely of your kind of course it

37
271 MADISON AVENUE,

NEW YORK.

Richard
June 4 1882

My dear Edison

We got in the 110 volt
bottom yesterday & it works very
well. I believe it will run all
my traps nicely. It makes a good
one.

I went with Barker
& my wife to Grand St last night
and saw the large dynamos there run
1050 lamps. It went well & will
not need any material tinkering

Several people have been
in the laboratory since the little

plant and all express unqualified
admiration

I hope you are recuperating,
try to take it easier!

John Combs
Henry Duper



AN EVENING WITH THE ELECTRIC LIGHT.

By invitation, Mr. Spencer Borden will deliver a lecture on the Electric Light before the Club, on Friday Evening, June 9th.

The Lecture will be illustrated by Stereopticon Views by Mr. Ward, showing the different phases of the progress of the light since its invention, and also by experiments by Mr. Borden, showing the various Incandescent Lights shown at the Paris Exhibition, including the "Swan," "Lane-Fox," "Maxin" and "Edison."

C. V. S. REMINGTON,
W. B. LOVELL,
R. W. BASSETT,

Executive Committee.

	1 June 9.86 Borden - miss Lelton

72/73 Fenchurch St.
London, E.C.

4th July 1872.

D. Small Esq
Manly Park N. Gosport.

Dear Sir We are instructed
by Mr. J. A. B. of 40

Fenchurch St. London, to ask
you to kindly forward the enclosed
to Mr. J. A. B. at the address

Yours faithfully
J. W. & Co
J. W.

Phila July 11th 1882
 Friend Will.

In compliance with your request I got to work to obtain the information you seek for with the following result.

Dulon & Co, Opticians, etc, 10th & Chestnut Sts, have samples of the following Electric lamps, viz:

Edison

Fo^t

Swan (London)

Fo^t Electric Lamp

This is somewhat like an Edison lamp, save being wider at the base, the spacing appears of the nature of Magnesia, or Plaster of Paris. It is claimed to be a very expensive lamp selling at \$8⁰⁰.

There was an Edison in stock, which was held as a sample, and they distinctly pointed out the difference between the Edison, Fo^t & Swan lamps.

Edison Lamps they cannot supply
 Swan " (only) perhaps 1 Dozen.
 Fo^t " " " " "

On no condition would they give information as to the maker, they claimed to buy from agents and this is all that could be gleaned.

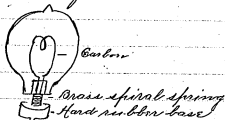
Swan Lamp (Gordon)

Supplied to Govern. Ho. by Agent. Have only a limited number in stock, perhaps one dozen, could not agree to give a price or supply any number (further information if possible through another effort & channel)

Burns 600 hours

Size 1 1/2 inch in diameter

Black rubber base, connected with a brass spiral spring, carbon in shape of the first turn of a helix.



Could not get any information as to the carbon, the parties are very reserved.

Sells at \$8.00

Shall I purchase one of these or both? I shall endeavor to give further information on the and write as soon as obtained.

Yours as ever - J. P. Roth

Electricity - Motors

United States Senate Chamber.

Washington, July 22nd 1882

Ans'd July 25th 1882
Mr J. A. Edison

Menlo Park N. J.
Dear Sir,

Not officially in
applying for Edison
motors

I take the liberty
of addressing you to inquire
if Electricity as a motor can be
utilized for the running of ma-
chinery on a small scale - say
one or two power? I mean
by this as an attachment to an
invention of great importance
already in successful operation
but run by hand.

If you can answer this inquiry
affirmatively, there are millions
of dollars in it as I can demon-

attends to your entire satisfaction.
I am a Graduate of West Point.
Can give you the best reference
in the land as to both associa-
tion & respectability & hence
approach you thus increas-
ingly.

Please address your
earliest convenience to No.
113 E. St. n.w. Washington, D.C.
Yours truly,
J. A. Washington

Washington
July 22, 87

Williamsport Pa July 24th 1882

J. A. Edison

Dear Sir

During my last visit to New York you
promised to mail me an itemised
statement of the cost of Village plants.
I have not yet received it. Will you
kindly give the matter your early attention.
Mr. Eaton handed me copy of the
estimate in his possession but as that
is for a plant of just 3000 8 Candle
lights I am still at sea on a town
requiring a grate or bed number.

I want to know cost of each dynamo
of each engine & horse power. Cost of boiler
per horse power cost of lamps & wire &
items in general

Very truly yours

J. P. Shaw

Been trying had it burning
in the laboratory
considering the volume of
1800 sq. ft. does not make the
light more mellow besides
the ~~unpleasant~~ light is
very mellow for music
at 1800 sq. ft. it is a real
good light
I think it is
very mellow for music
at 1800 sq. ft. it is a real
good light

1800 sq. ft. it is a real
good light
I think it is
very mellow for music
at 1800 sq. ft. it is a real
good light

GEORGE WESTINGHOUSE, JR. President

RALPH HAGALEY, Secretary & Treasurer

H. H. WESTINGHOUSE, Super. Instruct.

July 28th 1882
Wm. P. Adams to Edison &
Wheeler Park St. N.Y.
Dear Sir



Replying to yours of
We are naturally desirous that you should become familiar with our engine as regards electric lighting, & we have therefore taken the liberty to ship you a 4x4 (4 HP) on consignment. Please test it in any way & make free use of it until such time as we may call for it.
Very yours
The special circular
THE WESTINGHOUSE MACHINE CO.
From Lee Church

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed to by the sender of the following message. Errors and its liability are limited to the amount of the message fee, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

PHIL. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECEIVED BY	CHECK
4	1006	10 Paid	

Received at Merlo Park Depot 7/29 1882

Dated New York 29

To Pa Edison

Will you appoint time test
camp G. G. at or near

Atto A Mason

fine to Matt

1
2
3
4
5
6
7
8
9
10

Electricity - ^{My} paper
I've done long ago - had a
motor working ~~for~~ ^{for} ~~the~~ ^{the} ~~whole~~ ^{whole} ~~with~~ ^{with} ~~the~~ ^{the} ~~use~~ ^{use} ~~of~~ ^{of} ~~it~~ ^{it} for a year
in ~~the~~ ^{the} ~~shops~~ ^{shops} & ~~was~~ ^{was} ~~seen~~ ^{seen} here by thousands
of people.

Dear Sir, I am in receipt of your kind
favor of the 1st inst. in relation to the
use of Electricity as a motor for machinery
on a small scale.

My idea is simply to apply this power
to the Sewing Machine.

I suppose that the statement by you
of the fact that electricity can be used
as stated, necessarily involves the further
fact that you have no credit and that
it must be applicable to machinery in
general.

I am, of course, ignorant of the manner
in which this can be done & therefore offer
no suggestion as to any device of my own
If applied directly or through the medium

2.
of a separate machine to the driving of
a wheel it would, in the case in point,
enable us to dispense with the crank &
treadle & its operation by the foot, thus
accomplishing, apart from the idea of
profit, a great boon to humanity in
the exemption from a species of labor
which annually undermines the
health of thousands of our female
population.

There are two points, however, to be
considered in this connection; - Will the
machinery involved and the generation of
electricity (the motor) be sufficiently
simple that any ordinary person can
manage it? and 2dly, sufficiently
cheap to place it within the reach of
the masses?

After this, the first thing to do is to
make a practical test of its applica-

cation to the Sewing Machine.

A very little reflection will impress you with an idea of the immense number of machines in actual operation in private hands & distributed throughout this and foreign countries, and the stock on hand and annually produced at the various factories to meet an ever increasing demand.

Should this matter be entertained favorably by you & take a business chance, the thing could be put on the market as we might afterwards determine either direct from our own factory by selling rights to countries and States through orders of our consular agents or to manufacturers paying a royalty.

The question of Capital which would be involved in such an enterprise will

have briefly sketched, as well as our relative interests & the manner of conducting the business can be discussed between us further on, & when I know your views on the points alluded to & especially as to practicability and cost.

I have thus disclosed my ideas to you frankly though confidentially, & have only to beg that you will receive them in the same spirit, and communicate with me further at your earliest convenience. Very truly yrs

J. A. Washington

113 E. St. NW

Washington, D. C.

Washington
July 22

97

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed by the sender of the following message. Rates and are granted against only by returning message back to the sending station for correction, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THEOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECEIVED BY	CHECK
3	W. A. C.	10 Paid	

Received at Menlo Park Depot July 31 1882

Said Williamson PA 31

To W. A. Edison N.P.

*Have you mailed me statement
of village plants our waiting*

P. B. Shaw
mailed estimate today

37

Aug 3. 82

Washington
S.S. Motor

Electricity - Motor
 This is the first of the kind
 I have seen in this country
 and I am very glad to see it
 in the hands of Mr. Thomas A. Edison
 who has been so successful in his
 work in this line. This is the
 first in receipt of your favor
 of the 21st inst. Your reply
 is satisfactory so far as it
 goes, but does not cover the
 points of my inquiry.
 I therefore request the fol-
 lowing queries & request
 answered in such terms
 that I may be able to act
 advisably.
 Can the machinery for the
 application of electricity as a
 motor for the Sewing Machine
 be made portable, so that
 it can be easily carried about
 for exhibition & distributed
 for family use?
 Can the machinery & the

Electricity be made suff-
ciently cheap to put it in the
hands of the masses?
Would you ask the right
to manufacture your
machines for the object
mentioned, and if so upon
what terms?
I am, Sir,
Yours faithfully,
J. H. P. 11/3.

A Dental machine
can only be operated
by electricity in
connection with my
system of electric
lighting. I am not
prepared to sell
the right or give
you any license
to use my inventions
for the purpose
named.

GEORGE WESTINGHOUSE, JR., President

RALPH HADLEY, Secretary & Treasurer

H. H. WESTINGHOUSE, Superintendent

New York, July 18th 1892
Dear Sir
I have a question
I want to ask
N. J.



WORKS AT PITTSBURGH, PA.

NEW YORK

W. LEE CHURCH, Genl. Selling Agent.

Replying to yours of

Dear Sir

We have a customer who wishes to transmit power
by Dynamos. In general what is the loss in trans-
mission - i.e. - from H.P. of Engine to available H.P. of motor?
How much power can be transmitted from a single
Dynamo of largest size? Yrs. etc.

Very truly oblige

THE WESTINGHOUSE MACHINE CO.
Per Wm Lee Church

Registered in U.S. Patent Office, March 18, 1903

MADE IN U.S.A.

MADE IN U.S.A.

REGISTERED TRADE MARK
OF THE
WALTON MANUFACTURING COMPANY
NEW YORK, N.Y.



MADE IN U.S.A.

MADE IN U.S.A.

MADE IN U.S.A.

MADE IN U.S.A.

[Handwritten notes and signatures in the top left section, including names like 'W. H. H.' and 'J. H. H.']

[Extensive handwritten notes and signatures in the right section, including names like 'W. H. H.', 'J. H. H.', and 'C. H. H.']

Referring to your of
15th ~~the amount of~~
~~horse power of engine~~
~~available at extreme~~
~~end of conductors~~
~~depends almost~~
~~entirely upon the~~
~~investment.~~ About
seventy per cent
of the indicated
horse power of
engine is available
outside the motor.

The loss on the
conductors may
be great or small
according to invest^{ment}
we are making ^{number}
of estimates for work
of this character if
you will give us
the data we will
give you figures on
it. There is no limit
to the amount of
power transmittable.

Commercially the
distance for it
to be carried should
not be more than
fifteen miles

THE WESTERN UNION TELEGRAPH COMPANY.

The Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed to by the sender of the following message. Errors and omissions are assumed against only by repeating a message back to the sending station for correction, and the company will not hold itself liable for errors or delays in the sending of messages, beyond the amount of toll paid thereon, nor in any case where the claim is not presented in writing within sixty days after the receipt of the message. This is an UNREPLEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

TIMOTHY T. ECKERT, General Manager.

ROBERT GREEN, President.

NUMBER	SENT BY	RECD BY	CHARGE
5	Wm	Geo	14 Paid

Received at W. H. 247 9/15 1888

to Kilbuckport - Pa

Thos Edison

Meads Park

Accept congratulations on successful
lighting of Central station notice of
which just received from Fifth
ave office

Shaw & Detweiler

The Missouri Pacific Railway Co.

TELEGRAPH DEPARTMENT.

MILLER BULLARD,
SUPERINTENDENT.Sedalia, Mo. Sept 14th 1882Thos. A. Edison Esq
New York

Syr

To settle a controversy between
a prominent Gas stock holder and
myself please state if there has been
a residence or business house in
"First District" or elsewhere so
successfully lighted by your incandescent
lamps as to cause the gas to be cut
off or taken out.

Yours respy

W. Miller Bullard

Please give number of residence or building
and name

Plenty of them The Everett

Hotel Chatham St My has 120

lights burning all night last 6 mos

have no gas pipes in bldg. Chesser broke down

the one case of the other one lights are in 1st dist

Ans
9/28/92

El. St. - Aug 9

Sept 28th / 1892.

Thomson

Dear Sir,

I would be very
much obliged to you if you
would tell me if four Bunsen
cells would work your electric
light which is cased in a
gourdshaped glass bottle and
if it does work it how many
lights will it work also if
four cells are not enough how
many will it take to work it
I have just arrived from

China where I have lived
tens years. I am much interested
in Electrical Light etc.

An answer would oblige
Master Frank T. Thomson
care
Fredericksburg
Virginia
U.S.A.

P.S. I send a postal for answer.

We do not make
low Volt Lamps

30 Cells of Carbon
battery will work
several 8 candle
lights requires 30

Cells to get the pressure
and if you use any
Lamp

267-10
I beg to reply to yours of 11th Oct. 1881
and to say that
I have a direct current
meter which answers
in respects ~~referred to~~ ^{referred to} on the
application of your el. glow lights on
a large scale in N. Y. city. I see that
you have no el. meter yet, which induces
me to repeat my former offer to construct
such a meter for your el. light system.
This meter, as I have said before, will
indicate the whole current (not a 1/10 of it)
that is passing into a house, and registers
it like a gas meter. At any time it will
show the amount of current actually passing and how
much has been passing during a certain period.
No fluids are used in it. I have constructed
a rough model of it which works quite satis-
factorily. There are, however, obstacles in
my circumstances and surroundings which
greatly hinder me in making and introducing this
el. meter on my own account; but an order from
E. J.

-8. 255

Allow me to point out some of the faults of the electrolytic meter proposed for your el. light system:

1) Currents of different power will deposit metal in different states, — a strong c. will throw down copper as a black incohesive powder; a medium c. in the regular metallic state; a weak c. in large crystals but slightly cohesive. Now, imagine a black incohesive powder loosely scattered upon brittle crystals, could we handle and weigh metal in such a state?

2) The temperature and concentration of the copper solution greatly interferes with the amount of metal deposited.

3) The distance between the electrodes (or resistance between them) has also, to say a word.

4) The surface of the electrodes, whether smooth or corroded, likewise influence the deposition.

5) The nature of the current, as regards quantity and intensity, modifies the deposition.

Oct. 1. 82

8) The negative electrode (receiving the deposit) is liable to be dissolved again after the current has ceased to flow, from the same cause that is active in secondary batteries.

9) The evaporation of the solutions, and creeping up of copper sulfate crystals are annoying (but may be partly prevented by air-tight covering).

9) The renewal of one or both electrodes, necessary at each weighing of the plates, causes trouble and expense.

9) The arrangement of an al. lamp to warm the solutions in cold weather would be expensive and very unreliable, requiring complicated mechanism to operate it, and interposing in the circuit at least 50 ohms additional resistance.

10) The running expenses of the meter would be rather high (for renewal of plates, al. lamp, solutions, and attendance).

you to make it, or your account would quickly
remove all these hindrances. I would not like
to make arrangements with any other party,
before I have heard of you.

Please accept my thanks for the two
al. B. lamps which you had the kindness to
present me with, through Mr. Upton, some
months ago. I regret that I was not able
to try them yet.

In conclusion, let me congratulate you
to the grand success of your efforts to give
to the world such a brilliant and beneficial
light, in spite of all contrary predictions
you have met with. True is what Goethe
said: "All theories are gray, — green only
is the precious tree of life."

Yours very respectfully

L. W. Bell

253 South 12th St.,
Philadelphia.

Please answer soon.

Recd. Oct. 6th 1882
Mr. Wm. Shos. A. Edison
Menlo Park
N. J.



Replying to yours of _____
Dear Sir: If you are entirely finished with the little 4" x 4" engine we sent you some months past, for experimental purposes, we would be pleased to have you ship it to this office - as we are out of that size.
Very Truly Yours
The Westinghouse Mch. Co.
per A.
Edison's or Menlo Park
Hydramic Press N. J.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been accepted by the sender of the following message. From suit by sender against only its repeating, arrears here to the sending office for recollection, and the company will not hold itself liable for errors or omissions in connection or delivery of telegraphed messages, beyond the amount of sales paid thereon, nor in any case where the cause is not proceeding a writing within any day after sending the message.
This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager.

NOBYN GREEN, President.

NUMBER	SENT BY	RECD BY	CHARGE
3.	D. G.	Ed.	10 Paid

Received at Mt. _____ Oct. 11th 1882

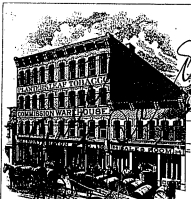
Dated New York

To Mr. A. Edison

9 Menlo Park

Please answer our letter of 8th inst relative to Engine

Westinghouse Mch. Co



N. WORTHINGTON,

OFFICE OF

A. STUART.

PLANTERS
LEAF TOBACCO COMMISSION WAREHOUSE
WORTHINGTON & CO.

NO. 54, 56 AND 58 WEST FRONT STREET.

Cincinnati, Oct 14 1882

Cincinnati, Oct 14 1882

Mr. A. Edison Esq.
Mould Park Bldg.
Dear Sir

You will perhaps remember I met you two or three times at the Park in Company with Mr. Shaw, at different times when I was East investigating your light, we are now figuring with the folks at 5th Avenue big hope of having our Company here in Cin organized & under way at no distant day. During the progress of negotiations, and at sundry times when in New York they have spoken to me of your "multiple" or "colloid" plant system of lighting which I understood is one of your latest improvements, but in my talk with Mr. Goddard and Mr. Lowry, both of whom mentioned to me, I was unable to get a very clear idea of it, as I understood it the current is con-



H. WORTHINGTON.

A. STUART.

OFFICE OF

PLANTERS
GREAT TOBACCO COMMISSION WAREHOUSE
WORTHINGTON & CO.

NO. 54, 56 AND 58 WEST FRONT STREET.

Capital \$1,000,000

Cincinnati, _____ 1888

= ducted on wires elevated on poles, & is intended for small villages of from 1000 to 2000 inhabitants and can be applied for both indoor & outdoor lighting and that the burners inside used for domestic purposes can be operated in the same manner as your central station system. please inform me if I am right in this idea, & if not be kind enough to explain what it is & how it works & about the cost of investment for 1000 light plants of that kind of 1/16 candle power, I take the liberty to address you on this subject as I wish to have as clear an understanding as I can of just what it is as possible by human thought it better to write you than New York

Respectfully

A. Stuart

over

P.S. I was out to see the first
of your plants in circuit last evening
at the Mill Creek Distillery Co. It works
finely

A.S.

87
Ch. 11. 18
Sweet

MAILED
OCT 11 1877
ST. LOUIS, MO.
GEO. W. BROWN

29

Sept 25 Oct 17, 1872

Lord Times Clipp
on fire by the
H. wire

N.Y. Oct 17/72

Mr. Thomas Edison Esq
Dear Sir,

Enclose you will
find two clips of the
"London Times" about
which I spoke yesterday
to Professor Twiss - I
think they would be of
some interest to you -

Yours truly,

Edward S. Reportas

N^o 108 South Main St
N.Y.

FLUORESCENT LIGHTING.

TO THE EDITOR OF THE TIMES.

Sir,—In the letter you publish to-day from Mr. Charles Henry on this subject, he says—"Parliament has placed in the companies' hands power to take possession of our streets (whether of some or all we know not), or to force the local authorities to apply to the Board of Trade for a license to light." Now, from the nature of the requis which various electric light companies are receiving from local Boards in reply to their applications, it is evident the local authorities decline to have their hands forced in this way. The following are specimens of some of the replies—

Bourbonnais.—"That the Gas Commissioners contemplated applying next Session of Parliament for a provisional order to secure the same object, and that they could be no parties to the companies obtaining the permission they sought."

Leamington.—"That it is undesirable at present to give assents to any application for a license under the Electric Lighting Act, 1882."

Leamouth Town Council.—"Resolved the electric light is still in its infancy, and it is difficult to say what the system might come to."

Conover.—"Ordered that consent be not given."

When the local authorities refuse to give their assent to an application for a license, neither the applicants, nor the Board of Trade apparently, have any power to force it from them; for, supposing the Board of Trade were to make a provisional order, each order would be of no force, unless and until it was confirmed by Act of Parliament. In this section, 4, sub-section 2.

The local authorities may oppose the order of Parliament, thus the matter must be referred to a select committee, and the local authorities may again appear and oppose; not only this, but the very salaries of wages are to be supplied by charging the whole of the expense to the local rates. The local authorities are, therefore, not reasonably or unconscionably practising their consent to the Electric Lighting Act; for few electric light companies, I apprehend, would care to launch into a vast and ruinous and Parliamentary struggle with the local Boards, when the case, on the one hand, are defective by the local rates, but, on the other, by shareholders' money. An important section of the Electric Lighting Act of 1882 can, I think, only come to one conclusion—viz., that the electric companies are to be held responsible for the electric light companies, and the difficulties they are likely to encounter in obtaining the assents of local Boards, are more fully understood. What I think probably will occur will be the electric companies, in the companies of a local Board, will be liable to do not happen to be preparatory, that there will be applied for and obtain a license under section 4, and will then continue to form such license with some electric light companies with which system and regulations it is established, and on such terms and conditions as it may require expedient in such cases where the electric light companies are simply the electrical contractors (under the local Board) to erect such cases where the electric light companies adoption of the electric light, the manufacture and sale of apparatus, and the payment for work done, and for services rendered by the companies, should be solely and wholly particular electric light company might be able to claim for the use of its patent.

Yours obedient servant,
**FREDERICK FRETWELL, Manager, Birmingham and Warwickshire Electric Light Company,
116, Cannon-street, E.C., Sept. 24.**

It is clear in the Act of 1882

TO THE EDITOR OF THE TIMES.

Sir,—Last May you were good enough to notice in *The Times* the report upon electric lighting and rules necessary for its safe use which the Phoenix Fire Office, upon the advice of their secretary, instructed me to draw up for them. The extreme importance of the subject must be unnecessary for further troubling you in the matter. Since my report was printed several fresh fires have occurred through electric lighting, and two persons have been killed in Paris in consequence of coming into contact with the wires from a dynamo machine, and several accidents have been done to the same effect.

Arrangements are now in progress for a vast development of the electric light, and instead of the being confined to a few large buildings, railway stations, and open spaces, we shall probably before long have thousands of dwellings—houses, shops, hotels, business premises, and warehouses, &c., illuminated by it. For each of these thousands of settings, and floors will be threaded by a series of wires, any one of which might become a continuous line of fire; and when it is remembered that these wires are often covered with most highly inflammable substances, such as cotton soaked in paraffin, indiarubber and tape, cotton and tar, &c., it will at once be apparent how sudden and disastrous the consequences might be.

In large and important buildings a thorough inspection will be made by officers of the Fire Company or companies concerned, but in the great majority of private dwellings such attention will be almost entirely omitted of the question. For the benefit of these occupiers and owners, I beg you will allow me to offer a few simple rules to guide them, by the following out of which they will most materially reduce the risk of fire. They will, of course, do away with it altogether, but were I to give a long series of requirements bearing with technicalities I should at once defeat the object I have in view.

Rule 1.—Use that no rubber wires are used. Dry and arrange that they be covered with a material rendered as fire-resistant as possible. This you can very easily test for yourself.

Rule 2.—Use that all wires are kept at least one inch apart from each other (if they are "made" two inches), and one inch from all metallic substances.

Rule 3.—Use that no wire hangs loosely, and that they are in such a position as not to be liable to dragment or injury from external causes. Care should be taken, if possible, in wood or slate heading having a continuous line to keep the wires separate.

Rule 4.—Use that the wires of the wires are covered of metal.

Rule 5.—Have a "put out" for every room and if possible for every light. A "put out" is a brass plate of easily fusible metal—such as lead—inserted in the wire.

Rule 6.—Use that your wires—when they have a water-proof covering—are kept free from dirt.

This last rule is more important than it seems, for paraffin, as it is very much to those not versed in the subject, water can easily bring about a fire through the property of combining electrically, several cases of wood being covered having already occurred in consequence of having been covered from this cause.

The above rules apply to lambscones lighting only, as in every case of over-exposed installations an inspector will be made by the Fire Office regarding the building.

In order to prevent any unnecessary alarm in the mind of the public, I may state that all my experience so far has not caused me to alter in any way the opinion expressed in my report, viz., that where systematic and proper precautions are taken there is no danger from electric lighting than there is of a fire from any other (generally) arranged or improperly worked, thus serious fire may be apprehended. Unfortunately the demand for competent men to lay the wires is already extending the supply.

It is only fair to state that the care taken to prevent fire by one or two of the electrical engineers I have named, I regret having to withhold their names, as undue prominence to any of them against me of giving undue prominence to any of them.

Apologising for intruding so much on your space,

I remain, Sir, your obedient servant,

**HUGHAVE HERAPPEY, C.E.,
Phoenix Fire Office, Lombard-street, E.C., Sept. 25.**

of the Electric Lighting Act of 1882

THE ELECTRIC LIGHT AT WINDSOR CASTLE.—Preparations are being made at Windsor Castle for illuminating a portion of the interior of the Palace with the electric light.



PREPARATORY
SCIENTIFIC SCHOOL
A. COLIN, Principal.

841 Madison Avenue,

RECEIVED *New York, October 25, 1882.*
OCT 25 1882
ANSWERED

Robert Smith, No. 27832
FILE No. *33*

Dear Sir,

As soon as the stereoscopic plates of Mr. Peirson's diagrams, that he had the kindness of putting at my disposal is ready, I shall be glad to call on you, and to put your patience to test, for I should like to have a plan of the parts of the city lighted by the central Station, as well as a list of the stations projected; should you have some other details they would be very thankfully accepted.

I wrote to Mr. Tisserandier expressing him of the very agreeable manner with which Mr. Peirson received me, as well as of the favorable opinion he had of "La Nation".

The best time for me to call upon you, is after 3 P. M. except on Sabbath days when I am not at leisure, so pray appoint an hour convenient to yourself.

I am, Dear Sir, Yours very respectfully,

Alfred Colin

*Inspect the
copy a day or
two.*

RECEIVED

NOV 2 1882

ANSWERED

3909 Locust St.

2 ~~to~~ ~~Nov 1882~~ Philadelphia Nov. 1. 1882

FILE No. 12

My dear Edison:-

I have tried the cotton insulation in the cable and find as you thought I would, the same phenomena of gradual charge - indefinitely prolonged. I would like to test a piece of the Borthond & Borel (Swiss) cable in this way. And as I saw a reel of it a while ago at your Clock & Shop, I write to ask if I may have a piece, say 20 or 25 feet long, for trying this experiment. Please send by express to the University of Pennsylvania.

Cordially yours

George F. Barker.

WILH. HUCH SCHÖNINGEN

(Braunschweig.)



Verdienst-Medaille Lissabon 1873.

Einrichtungen für Zucker-Fabriken.

VERTHETUNG
des Soutman'schen Füllungs-Verfahrens.

Besteht a. reg.
DAMPF-MASCHINEN.

Reog'sche Patent-Filterpressen
mit Saft-Vordrängung.

Complete Anlagen des Osmose-Verfahrens

mit
verb. Wende-Apparaten von Mathé & Schelller
mit Huch'schen Lothsen-Rahmen.

PUMPEN.

Patentirter Curven-Abzug
für Knochenkohlen-Glühöfen.
Huch's Patent Nr. 18302.



Schöninggen den 11. Febr. 82.

Herrn Thomsen & Co. v. d.
in Hamb. Park!

Beiliegend geben ich
Ihnen die Zeichnung
für Hoffmann'sche Filter
von Herrn Edmond Lamm
sowie die Angabe, wie
ich diese zu machen
angeordnet sind. Ich
bitte Sie, die Zeichnung
zu prüfen und mir
mittheilen zu lassen,
ob diese in Ordnung
sind.

Die Hoffmann'sche Filter
sind in der Zeichnung
so dargestellt, wie
ich sie zu machen
angeordnet habe. Ich
bitte Sie, die Zeichnung
zu prüfen und mir
mittheilen zu lassen,
ob diese in Ordnung
sind.

Die Zeichnung der
Lamm'schen Filter
sind in der Zeichnung
so dargestellt, wie
ich sie zu machen
angeordnet habe. Ich
bitte Sie, die Zeichnung
zu prüfen und mir
mittheilen zu lassen,
ob diese in Ordnung
sind.

Schaeffingen, Ellershausen, Germany
Nov. 11th 1882

Thos. A. Edison

Menlo Park

Dear Sir


I take pleasure in submitting to you Heron the sketch of an Edison lamp, which with a view of increasing the life of the lamp, I have taken the liberty of altering somewhat without changing its present original form, only altering it sufficiently to adapt it to this new principle.

No doubt you will notice at a glance that this has been solely done for the purpose of giving the lamp prolonged life, by means of several independent Carbons, which, by the use of a very simple contrivance can be made to burn in succession (literally expressed, one after the other, simply by working the key B into another hole of the Plaster Paris socket a.

The manufacture of lamps of this new pattern cannot be effected as the worm b only requires the additional turn B into which the little brass tubes d, d', d'' are soldered. The construction is a piece of issuing from the worm b, issues from the upper end of the small brass tube d, d', d'' as shown in the sketch.

After casting the Plaster Paris into the mould, after having set the lamp complete, and after having soldered the wires the piece or notch c, c', etc. is sawed out, which however can be easily accomplished by means of the key B.

I believe this arrangement may be considered a decided improvement if it permits the insertion of from 5 to 10 Carbons into one glass bulb, which would exhibit a life of 200 x 5 = 1000 to 2000 hours, essentially a year of continuous incandescence.

There need be no fear of a shadow ^{being cast} by the non-luminous carbons, as the rays cross each other, leaving ^{no} but the exceedingly short shadows at points *b, b* (see sketch in margin) 

Recently appointed representative of the Société Electrique Edison of Paris I have experimented with the Paris-made lamps but feel very much disappointed by their shortness of life. (Dynamo: Siemens)

I have been offered 3 (three) Super. References for incandescent light installation of your system and I am most anxious to have experiments made with a view of constructing lamps of multiple carbons.

To this effect I have taken the liberty of addressing you, requesting your kind answer if you take any interest in the matter.

As for me I shall do my utmost to secure the desired result.

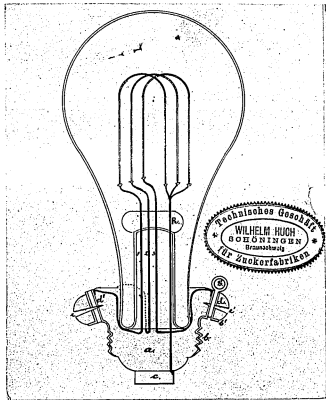
Most obediently Yours

Signature (initially illegible)

Presumably W. H. French

Don't want
it or any thing to
do with it.
Has been examined
Electric Dept. in
Paris, France

[ENCLOSURE]



THE EDISON LAMP CO.,

East Newark, N. J., Nov. 13 1882

Dear Mr. Edison:

I read in the Defect book a complaint regarding small machines.

21
88
I think it would be a good plan to make the small machines to give a reversed current and this would stop all troubles with the commutator.

Permanent magnets could be used and regulation could be made by introducing resistance in main line or by changing the strength of the magnets by a movable portion.

Such a machine using low volt B lamps would be just the thing for out of the way plants as there would be no wear on brush or commutator.

Yours Truly
Francis R. Weston.

BERGMANN & CO.

409-112 WOODS ST. N.Y.
(BY APPOINTMENT.)

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York, Nov 15th 1882

My Dr Edison -

I get this sort of report
from Bradley every morning
He seems to be constantly
taking out grounds &
yet he does not get clear
of them. The last paragraph
is interesting as being the
first instance recorded
of a defective pipe
Do you not think the time
has come for putting an
end to this frequent cutting
of the system or shall we
allow Bradley to pursue
his present treatment
yet a while?

Yours E.H.

East Orange N.J.
Nov 23rd 1889

Thos. A. Edison Esq
Menlo Park

Dear Sir:

I send you enclosed
specimen of the pith of a certain
tree that grows in the West
Indies, which I have used
as a Razor Steel for the
last 10 years. It sharpens
a Razor nicely and is
said to be full of Elec-
tricity. Perhaps it might
make a good Wick for
your Electric Lamps. Will
you please try it just as
it is without any prepa-
ration & let me know the
results.

Yours Truly
Albert Engel

REGISTERED TO:
COR. 17TH ST. & AVE. B.

BERGMANN & CO.,
100-114 HOOPER STREET.
(BY APPOINTMENT)

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York, Dec 9th 1882

J. A. Edison Esq
Dear Sir

Mr. E. B. Cope sub-

-mits for consideration the following mem-
-oranda - 1st - Transmission of power -
for ventilation of fans -
" pumping
" hoisting

2nd - Underground transportation in-
-stead of steam & mules - The
question of essentials for using
track to carry electricity -

3rd - lighting breakers

4th - Lighting inside of mines

5th - Using electricity for blasting -

The above order is the way at
the moment he thinks is the

REMOVED TO
COR. 17th ST. & AVE. B.

(2)
BERGMANN & CO.,

108-114 HOOPER STREET.

(BY APPOINTMENT)

MANUFACTURER'S OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

New York, _____ 188

best way to commence -

He wishes me to obtain as soon as practicable information on the above points and advise him -

He will then look over the ground thoroughly and if the conditions are right will take hold of the matter with a strong hand -

Yours Resply
B. F. Card

The Brush-Swan Electric Light Co.,

853 BROADWAY, Cor. 74th St., (Union Square.)

New York, Dec. 18th, 1882.

Mr. T. A. Edison

The Brush-Swan Electric Light
Company will be pleased to see you at
their offices any evening this week to wit-
ness the operation of their system of electric
lighting, using Brush Storage Batteries
and Swan Incandescent Lamps.

EDWIN EINSTEIN,

PRESIDENT.

PLEASE PRESENT THIS AT THE DOOR.

21. 21. -
New

Have no time
to write you
except in a few lines
I can assure you
I can produce the electric light & success
I can produce the electric light & success
I can produce the electric light & success

Parties have it in hands but
I fear they are trying fast me pass enough
to sell cheap.

All Europe except
Germany is patented in this respect.
I have many other
full inventions I would like you to know
w - the only true insulator for wires
is one worth notice

Yours truly
John B. King
557 - 4th Ave.
Brooklyn

N.Y. Dec 20/82

T.A. Edison Esq

Sir

Some time since I called upon you in Company with Mr H W Pope regarding the introduction of your Light in the City of Elizabeth N.J. You expected to give us the necessary information in about six weeks.

Not having heard from you I would say that since then we have started a District Telegraph Co in that City with brilliant prospect of success. We are now in splendid shape to push the Electric Light.

Please inform me at your earliest convenience if anything can be done. If satisfactory arrangements can be made I have no doubt that I can organize a Company, at once that will almost if not quite wipe out our Gas Co.

I am also working upon the Edison Dynamo Underground Tubular Package Delivery Scheme which we described to you & will soon be ready to confer further with you upon that subject.

Yours in
C. Am Dist Tel Co J. James E. Browne
& Day St

Chicago, Dec 21st 1882

Yours truly,
New York, N.Y.

Dear Sir

on several occasions lately newspaper statements, to the effect that you had not been able to govern the engine of your Dynamic machines, "especially close" have come under my observation. If such is the case, permit me to suggest that you look into the regulating device recently proposed by Mr Henry Mason, of the smelt mill water works of this city. His automatic and his large Corliss gas engines are regulated so that their maximum consumption does not exceed three (3) revolutions per hour!

It is not belief that gas is a healthy or proper source light and I sincerely wish you all success with Electric in this field. I trust that you will find the

Office of

J. C. Jones, ^{1/2} Dec. 21, 82

General Western Agent

Rogers' Grate-Bar Co.

No. 45 Franklin Street,

Chicago,

188__

Evaporation of Water Boilers
of West Side Water Works
by Cenny Mason Chief Engineer
Feed Water 212° pure fl. Coal
Lump & Oil lump 12.09
Sackawanna brand 10.98
Coke lump 16.95
Pittsburgh Nutt 17.47
Massillon O lump 10.28
Indiana Block 9.55
Wilmingon Ill. lump 8.59
Shelby Nutt 8.09
Gaston N. Va 10.24
Piedmont N. Va 11.70

Low Pressure Engines feed Water
heated 212° by jet exhaust
from feed pumps

P.S. Please you will agree me that
any engineer who can accomplish this
amount in all his efforts mostly on my part

Have now got
an engine
that governs perfectly

FAUSTO MORA,
Post Office Box 599.

9
NEW YORK, Apr 20 1882

My dear Mr Edison:

I omitted to say to you yesterday that we have many applications for plants of light small tanks where there is no gas. Under the circumstances it is very important for us to get a perfect Village Plant & I would be very thankful to you for sending me a word when you are ready to give ^{me} positive information on that ground.
Very truly yours
F. Mora

Thomas Alva Edison Esq
65-5th Ave

A little secondary battery could be fed by a weak current over a telegraphic wire & such secondary battery being placed beside the lamp and by opening the circuit a magnet could throw the Battery Current through a lamp

El. dt. Rev

Mr. W. A. Edison

Newark N.J.

39

Hempstead

Rocky Hill

Dec. 26th 1882

Dear Sir

What is the least battery force for one of your incandescents lamps, it to be lighted at the distance of a mile from the electric source, the light to burn but a few minutes at a time, & the conducting medium for the electric current being, say an iron rod & the ground, would then a wire to the lamp & the ground be all that was required for flashing the light at any time for signal purposes.

Yours ve

B Hempstead

Editor's Office of The Sun,

Summings
New York, Dec. 29, 1882.

My Dear Son:

I write you this because it may serve to put you on your guard. Sawyer's uncle has been to the office inquiring for the man who wrote the article in the Sun on Nov. 25, '78, headed "The New Electric Light," also the article on April 12, 1879 headed "Edison's Electric Light," also the one on Nov. 15, 1878, headed "The New Electric Light." He said that he wanted the man to verify the reports in establishing a patent. Of course, "the man" declined. I guess Sullivan's the only man who can "knock you out."

" Yours always,
Dad.

39

Morse Mills, Morse, Dec 30, 82
Jefferson Co Mo
Mr J. H. Edison
Lec. 30 Oct 1882

Dear Sir I see by the paper you are about utilizing water power for the purpose of lighting cities.

Please inform me about how much power it would take to light the City of St. Louis, suppose a population of one million inhabitants. A good water power could be had about 22 miles from the City.

Yours respectfully
J. H. Morse
about 20,000 h.p.

Storage Batteries

Statements are made to the subsidiary Brush Co. that they have a large investment laying idle 10 hours daily & that with the storage batteries & incandescent lamps they would be enabled to utilize their plant all day long & thus earn a great deal of money. This appears to be a self evident proposition. But the fallacy lies in the fact that the batteries required to store the product of the station would call for an increased investment ^{of the station} as great as already invested in the station. Which increased investment has an enormous depreciation ^{25%}. The ^{of the station} ~~product~~ of all secondary batteries are soon eaten away & have to be renewed frequently. The batteries rapidly diminish their capacity for storage & have to be made up fresh.

Only about $\frac{2}{3}$ of the current ^{of the station} ~~power~~ can be taken out as the current ^{of the station} ~~would~~ be too weak to bring up the lamps here. There must be $\frac{1}{3}$ greater investment in batteries on this account, in addition there must be extra batteries ^{of the station} ~~which~~ ^{have} to be thrown in from time to time to keep up the candle power of the lamps.

The battery available to all kinds of discharges ~~is~~ there is creeping across the space between the electrodes of metallic lead gradually by electrolytic deposition. There is local action in the battery which causes the stored up energy to be rapidly dissipated; The sulphuric acid gradually combines with the oxide of lead to form insoluble sulphate of lead which covers the active material of the battery increasing its resistance ~~capacity~~ = The exhaustion of the sulphuric acid stops the action of the battery.

The experiments on the best form of secondary by Truca of the Conservatoire des Arts et Metiers shows that 190 lbs of material is required to commercially store 1 horse power for one hour = The cost of the completed battery with its mechanism the labor ~~the power~~ ^{cost of} required for forming ~~it up to~~ ^{that} cannot be sold with any degree of profit for less than 35¢ per lb, making say \$ 6.150 ^{per ton}.

~~250 11 0
 190
 340~~

 at 11/10
 2360

requiring 250 ^{hp}

With this data take a Cotton mill, where
the longest time of lighting in any one day
is 2 hours, with 10 lamps of 16 candle
power of current, 250 lights
~~required.~~

Battery for
250 light at \$6.00 per light ~~cost~~ ^{per two hours}
~~cost~~ ^{amount to}

about 50 percent was the return ^{3250.}

obtained by Trevesa from the dynamo
but it would not be 45% from the

indicated horse power of the engine but
say 50 percent of 250 light require 25

horse power per hour to work the lamp
all ^{the} ~~the~~ ^{between} the engine and the ~~the~~
50 per cent ⁵⁰ horse power
indicated per hour ^{required} for 2 hours

100 horse power ^{is required} if now a small dynamo
is used to charge for 8 hours, it will
require 12 horse power, price of \$1200

Making total investment ^{of} ~~2250~~ 1200

100 hp ^{for 1 hour or 12 for 8 hours} consumes 4450

400 lbs coal for 300 days would require

60 short tons at \$4 ^{Required} \$240.

24

Cost ————— 240

Depreciation ^{of battery} on Small Dynam. 120	812
Depreciation ^{of battery} on Storage battery (25%) 812	
Interest on battery 195	195
House Expenses:	
	1375

1367

~~Investment~~

To work direct would require one
 250 light machine — at 3000 3000
 70 horse power for 1 hour or 35 for 2
 hours, 4 lbs. coal 250 lbs. 300 day
 1/2 sheet tin at 44 Coal. 168
 Interest & depreciation on dynamo: 300

Investment —	3000
Running Expenses:	468

If the hours of lighting are increased
 to 3 hours ~~the investment~~ or any more hours
 the investment by the direct system does
 not increase; only the coal.

While by the storage the investment
 both in Dynamo & battery increase
 directly to the hours of lighting
 if ~~of~~ instead of 2 hours lighting
 we require 4 hours lighting the
 figures would stand thus

Battery System

Coal.	480	480
Depreciation ^{of plant} Small dynamo	240	240
Depreciation of Battery	1648	1624
Interest on batteries	384	390
Investment in Dynamo	2400	
Investment in batteries	6528	2534
Hence Investment		
Running Expenses -	\$ 89.00	
	2.734	

Direct System Dynamo		3000
Coal		
Interest Depreciation - Extra depreciation shown		336
		350
Hence Investment		
Running Expenses -	3000	
	686-	

With 6 hours lighting the dynamo required to charge the storage battery in 8 hours would be as large as the dynamo used for lighting direct hence the charging dynamo could light the works direct without the batteries -

Even supposing Mr Brush had obtained a theoretically perfect battery. The figures would be enormously against him -

The fact of the matter is that the ~~whole~~

"shorter the period of lighting required from storage batteries the greater their economy and this reaches a maximum when they are not used at all"

(1882)

Defects of Storage Batteries employing lead Electrodes & oxides

- 1st - Finely divided lead decomposes water,
- 2nd - Sulphate of lead is formed taking the acid from the solution
- 3rd - The sulphate of lead depositing upon the peroxide renders it partially inert
- 4th - The peroxide formed gradually becomes detached from electrical contact with the electrode,
- 5th - Lead eats off at the surface of the solution,
- 6th - Resistance of the battery increases as the battery is discharged - making a constantly diminishing economy,
- 7th - gradually diminishing storage capacity after certain number of times charging to to gradual inertness of the peroxide of lead,
- 8th - Gradual coating of surface of electrode with inert peroxide not reducible =

The electromotive force of all elements and oxides or compounds of the same have been accurately determined by chemical physicists, peroxide of lead heads the list of the only possible compounds that can be used with lead & sulphuric acid
Oxide of lead or a lead compound oxidizable to a peroxide is the best hence the statement of
Brush of a secret substance is a c at 1 penny
~~peroxide~~

(1882)

\$400. 40. 6000. 3000.

400 40.

They still it is stated for \$400; a 40 light battery floating 3 hours, to charge this fuel house an isolated plant will require 24 horse power or 3 hp per hour for 8 hours, a 3 hp dynamo will probably cost ~~275~~ 275.00 worth anything; hence, $\frac{275}{6.7} = 41.19$ 675 for 40 lights 3 hours.

a forty light machine can be sold for \$700, direct this saving half the cost of the depreciation on the battery,

40/675 = 16.80
 80 lights 800 $\frac{275}{4}$ dynamo 500 16.80
 - 80/16.80 = 1344 \$16.20 per light
 400.00 .15 60
 1440.

160. 1600.
 160) $\frac{900}{2500}$ / 15.60
 1600
 3000
 3200
 1200

350/3000 = 80.
 $\frac{2800}{700}$

320.
 320) $\frac{3200}{4500}$ / 14.
 3200
 1300
 1280
 20

1882. Electric Light - Edison Company for Isolated Lighting - General (D-82-021)

This folder contains correspondence, reports, accounts, and other documents relating to the business of the Edison Company for Isolated Lighting, which was organized in November 1881 for the purpose of selling and installing small power plants for the lighting of single buildings. Much of the correspondence is by Sherburne B. Eaton, president of the company, and by Miller F. Moore, general manager. Included also is a list of isolated lighting plants in the United States, dated September 7, 1882. Related material can be found in the Primary Printed Collection (Company Records Series).

Approximately 70 percent of the documents have been filmed. The following categories of documents have not been filmed: form letters relating to stock subscriptions; routine notices for meetings of the board of directors.

131

The Edison Electric Light Company

65 Fifth Avenue

Wm. C. Green Pres
S. B. Eaton Vice-Pres
E. P. Feltner Treas
C. Goddard Secy

New York, January, 5th, 1882

ESTIMATES on ISOLATED PLANT.

F. O. B. in New York City.

FIRST ESTIMATE.

One 2 Dynamo electric machine with Sixty A lamps of
Sixteen Candle Power each.

Item 1st.	One dynamo-electric machine complete- Regulating Resistance, Pressure Indica- tor, Half dozen Brushes, Sixty A lamps and sockets.....	\$1,200. 00
-----------	--	-------------

Item 2nd.	Fixtures for sixty A lamps complete, from \$1.25 to \$5.85 per lamp, according to style and finish. For factory use the average will be \$1.50 per lamp....	90. 00
-----------	--	--------

Item 3rd.	The cost of wire for conductors, cut- outs, safety-catches and other accesso- ries for above plant will vary with dis- tance of lamps from dynamo, also with number of branches and disposition and grouping of the lamps.....	
-----------	---	--

The cost for plants already installed has varied from \$200 to \$500 with a probable average of \$350.....	350. 00
--	---------

Total.	\$1,640. 00
--------	-------------

SECOND ESTIMATE.

One Z dynamo for One hundred and twenty
B lamps of eight (8) candles power each.

Item 1st.	One dynamo-electric machine complete, Regulating resistance, Pressure Indica- tor, Half dozen Brushes, 120 B lamps with sockets.....	\$1,320. 00
Item 2nd.	Fixtures for 120 B lamps - average \$1.50 per lamp.....	180. 00
Item 3rd.	Cost of wire and accessories will vary from \$300 to \$700 with a probable average of \$450.....	450. 00
	Total.	<u>\$1,950. 00</u>

THIRD ESTIMATE.

One Z dynamo for One hundred and twenty B lamps of
eight candle power each, arranged in sixty pairs in series
and equivalent to sixty A lamps.

Item 1st.	One dynamo-electric machine complete, Regulating resistance, Pressure Indica- tor, Half dozen brushes, 120 B lamps with sockets.....	\$1, 320. 00
Item 2nd.	Fixtures for 120 B lamps - average \$1.50 per lamp.....	180. 00
Item 3rd.	Cost of wire and accessories will vary from \$200 to \$500 with a probable average of \$350.....	350. 00
	Total.	<u>\$1,850. 00</u>

FOURTH ESTIMATE.

One Dynamo capable of lighting 120 A lamps of sixteen candle power each, or 240 B lamps of Eight candle power each.

Items.	120 A lamps of 16 candle power each.	240 B lamps of 8 candle power each.	240 B lamps of 8 candle power each ar- ranged in pairs
One dynamo-electric machine complete, regulating resistance, Pressure Indicator, 1 $\frac{1}{2}$ dozen Brushes and the requisite lamps.	2100. 00	2220. 00	2220. 00
Fixtures for lamps complete, average \$1.50 per lamp.....	180. 00	360. 00	360. 00
Cost of wire conductors and other accessories will vary from \$500 to \$1400, with probable average of	700. 00	900. 00	700. 00
Totals:	\$2980. 00	\$3480. 00	\$3280. 00

FIFTH ESTIMATE.

One Dynamo capable of lighting 200 A lamps of sixteen candle power each, or 400 B lamps of eight candle power each.

Items.	200 A lamps of 16 candle power each.	400 B lamps of 8 candle power each.	400 B lamps of 8 candle power each ar- ranged in pairs
One dynamo-electric machine complete, Regulating resistance, Pressure Indicator, $\frac{1}{2}$ dozen Brushes and the requisite lamps	3250. 00	3450. 00	3450. 00
Fixtures for lamps, complete, average \$1.50 per lamp.....	300. 00	600. 00	600. 00
Cost of wire conductors and other accessories will vary from \$700 to \$15 00, with probable average of	950. 00	1200. 00	950. 00
Totals.	\$4500. 00	\$5250. 00	\$5000. 00

N O T E. A combination of A and B lamps would slightly vary the cost according to the relative number of each, but the difference would not be appreciable.

Revolutions of dynamo 1,200 per minute.

Cost of extra lamps.	\$1. 00 each.
" " extra safety catch plugs.	. 05 "
" " " brushes.	1. 00 "

The brushes with proper care should last 200 hours actual use.

ENGINES.

When it is necessary or desired to use separate engine for the electric light plant, the Company will furnish engines especially adapted to this purpose and recommended by them.

The following is the list. The horse power is figured on a basis of 40 lbs mean effective pressure, which at 80 lbs initial pressure will be at a cut off slightly under $\frac{1}{4}$ th. the stroke.

Engine No. 1.

Cylinder $6\frac{1}{2}$ x 8 350 revolutions per minute

19 Horse Power.

Will drive 2 Z dynamos with slightly
more admission. Price. \$ 650.

Engine No. 2.

Cylinder $8\frac{1}{2}$ x 10. 350 revolutions per minute

40 Horse Power.

Will drive 4 Z dynamos with slightly
more admission. Price. \$ 850.

Engine No. 3.

Cylinder $9\frac{1}{2}$ x 12. 300 revolutions per minute

51 Horse Power.

Will drive 5 Z dynamos with slightly
more admission. Price. \$1,200.

Engine No. 4.

Cylinder 13 x 13. 275 revolutions per minute

90 Horse Power.

Will drive 8 Z dynamos with slightly
more admission.

Price. \$2,000.

BOILERS.

Eighty pounds is an economical and practical working pressure for horizontal tubular boilers as now building. Their cost for respective engines in list will approximate with complete fixtures and extras which makers usually furnish with boilers.

For Engine No. 1.	the boiler will cost.	\$525. 00
" " " 2.	" " " "	\$965. 00
" " " 3.	" " " "	\$1005. 00
" " " 4.	" " " "	\$1500. 00

To the above boiler estimate must be added
25 per cent for brick work.

~~Eastern Agency of~~

The Edison Company for Isolated Lighting.

P. O. Box 338.

Fall River, Mass., February 2nd, 1882.

T. A. Edison, Esq.

Dear Sir:

Your favor 31st January is duly to hand. The last I heard of Dr. Vaght Niggs, he was living at 48 W. 27th St. New York. He has moved around a good many times and sometimes makes the Grand Union Hotel his headquarters. By sending a messenger to 48 W. 27th St. you can learn if he lives there, as he usually puts his name on the door pull where he resides.

If you do not find him there, he has most of his work done at the shop of a man named Hayes on Kent St. Bumpoint near the landing from the Ferry that leaves the foot of 23^d St. New York.

You will be pleased to learn that the lights at the Bleaching - we have only the A. lights connected - are very beautiful and greatly admired. I intended coming to New York to-night, but have so many important visitors to see the light, I must not leave it. Also, I am notified

to appear before a committee of the city govern-
ment this evening, and explain the Edison light.
The Mayor told me yesterday that no electric
light wires would be allowed on poles in
this city. So I rather think all electric light
Companies but the Edison will find it cold weather
for them down here.

To return to the Bleaching light - there
seems to be something amiss with the resistance
box. The socket on the resistance has a lamp
in it, but it gives no light at all. We
therefore have no means of regulating the light
- as the regulator has not yet come - and I sus-
pect the 50 c. lamps are giving more than 16 c.p.
However, we run them only an hour, morning
and evening, and as they are to exhibit to
secure orders for other plants, an excess of light
is not a great disadvantage.

A number of manufacturers will be here
to night, as the shipping is good, and weather
very fine.

Yours very truly
Spencer Roden

Edison Lights

July 2, 82

Spencer Roden

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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Transmitted by WIRE and is delivered by receipt of the sender, under the special agreement of WIRE, and is delivered by receipt of the sender, under the special agreement of WIRE.

Dated Providence R.I. 7/1882

Received at 791 BROADWAY. July 7

To Thos Edison

65 - save my

READ THE NOTICE AT THE TOP.

Will work ~~at~~ nights and day if we will light them up and ship five engines in forty days at one thousand dollars each

(M. J. Moore)

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN
791 BROADWAY, near Tenth Street,
WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

THE EDISON COMPANY
FOR ISOLATED LIGHTING.

1882-03-10
CHICAGO AGENCY,
ROOM 3, 143 LA SALLE ST.,

WAR. 10TH, 2.
CHICAGO, ILL., 188

FRIEND EDISON:

PLEASE WRITE ME A PERSONAL LETTER ASK-
ING ME TO CALL ON CAP'T B. B. BULLWINKLE,
SUP'T OF THE CHICAGO FIRE PATROL AND EX-
PLAIN YOUR SYSTEM OF ELECTRIC LIGHTING TO
HIM FULLY.

YOU WILL REMEMBER VISITING THE PATROL
AND SEEING THEM HITCH UP WHEN HERE.
THE CAP'T HAS GREAT WEIGHT WITH THE
INSURANCE PEOPLE AND WILL NO DOUBT INSPECT
ALL JOBS FOR THE INSURANCE PEOPLE BEFORE
THEY ACCEPT RISKS.

THE CAPTAIN APPRECIATES ATTENTION AND
WILL BE PLEASSED TO SEE THAT YOU REMEMBER
HIM.

SINCERELY YOURS,

Geo. H. Blisset

THE EDISON COMPANY
FOR ISOLATED LIGHTING.

1882-03-14
CHICAGO AGENCY,
ROOM 3, 143 LA SALLE ST.,

WAR. 14TH, 2.
CHICAGO, ILL., 188

THOS. A. EDISON ESQ.
DEAR SIR:

I HAVE GIVEN MR. B. C. FAUROT OF
LIMA, O. AND MR. OSCAR COBB ESQ OF THIS CITY
A LETTER OF INTRODUCTION TO YOU.

MR. FAUROT IS BUILDING A FINE BLOCK AT
LIMA, O. AND MR. COBB IS HIS ARCHITECT.
THEY GO TO NEW YORK TO INVESTIGATE THE
ELECTRIC LIGHT.

I HAVE DONE SOME WORK WITH THEM AND
FEEL CONFIDENT AN ORDER CAN BE SECURED.
THIS IS IN MR. DAVIDS TERRITORY BUT THEY
ARE BOUND TO GO TO NEW YORK AND I HOPE YOU
WILL GIVE THEM HALF AN HOUR OF ATTENTION
IT WILL HAVE GREAT INFLUENCE WITH THEM.

SINCERELY YOURS,

Geo. H. Blisset
AGENT.

THE EDISON COMPANY }
FOR ISOLATED LIGHTING. }

GENERAL MANAGER'S OFFICE,
65 FIFTH AVENUE.

Please address reply to the undersigned.

Philadelphia Pa.

~~New York~~

April 19th 1882.

Thos A Edison Esq.

Dear Sir.

Your telegraph received this Pch.
Evening I am ready to start in a new car I have
written to the rail in regard to having the Fedge job
and have asked him to inform you as what time
I may hear him. Thanking you for kindness in telegraph
ing me
I am

Yours
W. H. Johnson

Form 1.

No. 4

Amul Light

Apr 26 82

PRIVATE TELEGRAPH

Spencer Trask & Co.,
Bankers & Brokers
70 Broadway, New York City.

—BRANCH OFFICES—
Conducted by private wires.

Philadelphia,
132 South Third St.
C. F. FOX.

Saratoga,
Grand Union.

Albany, N. Y.
Mission Lane.
W. A. GRAVES.

From

Albany Ny *Apr 26*
Thos A Edison
65 Fifth Ave
New York

Get the little plant off
last night big success
Every one pleased. Work
our old Dutch town
up. Tell Insull and
Hughes

W. A. Graves

Form 1.

Amu Right

PRIVATE TELEGRAPH

No. _____

TO _____

Spencer Trask & Co.,

Apr 26.82

Bankers & Brokers

70 Broadway, New York City

—BRANCH OFFICES—

Connected by private wires.

Philadelphia,
132 South Third St.,
C. F. F. C.

Saratoga,
Grand Union.

Albany, N. Y.,
Hudson Lane,
W. A. GRAVES.

From

Albany, Apr 26
James Inouel
65, 5 Ave. N.Y.

Please send or bring
me any books pamphlets
or circulars you want
distributed why don't
you take train at 4
this pm & come to
albany you can return
at 7 tonight & be in
New York tomorrow am
looked on our corner line
to the July. Come up today

And bring your
related printing
matter with you
Answer

W. A. [Signature]
Dear friend
of [unclear]

Dear friend or friend
we are very glad to hear
of your return to the
United States and we
trust you will find
the people here
as ever your
at [unclear]
New York
Love and
the [unclear]

Mr Edison,

Japan Moore has got an order for a plant from Hew-
itt's Trenton Iron Works.

Hoskin writes from Phila. that the Baldwin plant is not
giving satisfaction. I am going to send Moore to Phila.

Enclos ed is a telegram received from Moore yesterday.

S. B. Eaton

May 9th. 1892.

per No. 5.

WDB

5-11-82

My dear General

When am I to
get my isolated stock?
What is the hitch?

Yours truly

W. B. Eaton

THE EDISON COMPANY }
FOR ISOLATED LIGHTING. }

GENERAL MANAGER'S OFFICE,
65 FIFTH AVENUE.

Please address reply to the undersigned.

New York, May 13 th 82. 188

Thomas A. Edison Esq.
Menlo Park.

STENOGRAPHIC.

Dear sir.

Yours of 11 th inst relative to duplicate parts for Plant on board Mr. Bennett's yacht, is received, and in reply would say, we have anticipated his wants and will provide him with sufficient duplicates to meet his requirements.

In relation to the valve of the Jaffrey Engine breaking would say, we have come to the conclusion after an examination and investigation, that the fault was due to the water remaining in the exhaust pipe connections.

Instructions had been given them to provide suitable drains, which they neglected to do.

Yours respectfully,



Gen. Manager.

THE EDISON COMPANY }
FOR ISOLATED LIGHTING. }

1
GENERAL MANAGER'S OFFICE,
85 FIFTH AVENUE.

Please address reply
to the undersigned.

Card
New York, May 18th 1882

J. A. Edison Esq
Munro Park NJ

Dear Sir

Mr Hand

tells me today that the
5 x 7 engine sent out to
McKee & Haller Fullerton Pa
last winter has been mt^d
by them & is now ab 97
6th ave. Ct -

Yours very truly
B. H. Gard

THE EDISON ELECTRIC LIGHT CO.,
65 FIFTH AVENUE.

New York,

May 19th 1882

Mr. G. Randolph
Munro Park,

Dear Sir: Please
send enclosed directions
lamp part-globes,
to 97 6th Avenue,
and send bill from
Edison Light Co. to
Isolated Co for
the amount.

Yours
J. Hutchinson
Cashier

THE WESTERN UNION TELEGRAPH COMPANY.

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This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
2	W. H.	W. H.	16 paid
Received at <u>W. H.</u> <u>May 27</u> 1882.			
Dial <u>New York 5/27/82</u>			
To <u>J. G. Edison</u>			
<u>Will you be home this afternoon</u>			
<u>Spencer Borden: wants to stop on his</u>			
<u>way to Philadelphia</u>			
<u>S. B. Eaton</u>			

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been assumed as by the sender of the following message, in the sending station for acceptance, and the receiver of the message, in the receiving station, to the transmission or delivery of the message. The message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions named above.

A. T. NEWYEA, Sec'y.

NORVIN GREEN, President.

Dated New York 7th 1887

Received at Menlo Park Calif

By J. A. Edison

Menlo Park Calif.

READ THE NOTICE AT THE TOP.

Borden now finds he
cannot visit you I will
write you

J. B. Eaton

11 Paid 44 1/2
105 per

RECEIVED
MAY 26 1882
ANSWERED
PUBLIC LEDGER

Philadelphia, May 26 1882

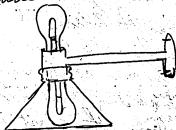
Personal

Thomas A. Edison
Dear Sir: We have had your light in our composing room and foundry now for ten days and from the start it has given great satisfaction to the workmen. I have been watching it critically and find no weak spot in your admirable system. Against the advice given in your "Instructions" more lamps have been put on the circuit than the machine is designed for and this threatens to, rather than gives trouble. A few of the fixtures are not suitably placed so that, pending a change, a few gas lights are still in use

but everybody prefers the electric lamp ^{as} the air in the composing room has been vastly improved by the change. As soon as we have had a sufficient trial I intend to ascertain the exact relative cost of the light. The indications thus far are in your favor by a large majority." Some agent here ought to renegotiate with the Pennsylvania railroad. I furnished today a statement of ~~the~~ our experience with the light for the Superintendent of the Broad Street Station. This is of course ~~for~~ private. In reading your instructions to-night I notice that great stress is laid upon the fact that all the light is thrown downward, that none is wasted by being thrown upon the ceiling &c, also that by the concentration of light from an eight candle lamp it ~~is~~

is made equivalent in effect to a five foot gas burner. I ~~think~~ think that it is a mistake not to put some light on the ceiling to be reflected back and aid in the general illumination, which is the only point wherein your system seems deficient. The light on the ceiling may in one sense be wanted, but it adds to the cheerful appearance of the room and that I think is a useful effect. It has occurred to me that an occasional combination of 8 ^{gas} lights in the manner sketched on next page would have a good effect. Possibly this has been thought out before, if not it may be of service to you. The sketch is self explanatory. On a bracket put two

^{candle}
eight ~~foot~~ lamps, reversed, the lower one having the usual white glass shade - thus:



The upper lamp would give diffused light for general illumination; the lower one would have its rays reflected and concentrated for particular work. I think an occasional double lamp of this kind would be of great advantage in an office and therefore in other places. Pardon this long letter, written simply because I feel a personal interest in the success of your system.

Very Truly Yours
Addison B. Burk

Public Ledger

THE EDISON COMPANY
FOR ISOLATED LIGHTING.

GENERAL MANAGER'S OFFICE,
66 FIFTH AVENUE.

Please address reply
to the undersigned.

New York, June 2nd, 1882

J. A. Edison Esq
Dear Sir

If you will make a
"secondary battery" that will not cost
very much that will run say 1/2 an
hour so as to enable hands to get
out of factory after power is shut off
or to have the light right a long in
case of any temporary stoppage of
the dynamo it would be a very
valuable acquisition to an isolated
plant - It would be very useful on
the City of Worcester

Yours very truly
Wm. Board

60
1882

over

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE.

Copy

Page 152 Rev. 6.

NEW YORK 13th June 1882

My Dear Loney, You said
you would let Paisley have
his proportion of Isolata stock
out of your allotment.

He seems
very sore at not having got it
& before writing him on the matter
I should be glad to know if you
are still willing to do this.

I certainly think
something should be done for him
as he takes a great deal of
trouble over matters for us.

Yours Truly
Edison

He is born companion of Ellen Lee
Interior

C O P Y.

June 14th. 1882

My dear Edison:

Certainly I will let Painter have his share. He never
came for it, and of course I did not think of it. I believe it
was a very small amount. You may write him.

Yours truly,

G. P. L.

T. A. Edison Esq.

Menlo Park,

N. J.

THE EDISON COMPANY }
FOR ISOLATED LIGHTING. }

GENERAL MANAGER'S OFFICE,
65 FIFTH AVENUE,

Please address reply to the undersigned.

New York, June 15th 82. 188

STENOGRAPH

Thos. A. Edison Esq.

Menlo Park, N. J.

Dear sir :-

One of our Boston men, in alluding to
a defect in the armature in use at The East Boston Sugar Refinery
writes as follows :-

" Will you allow me to suggest the use of six cord
McKay sewing machine thread in place of the cord now used on the
armature" It is many times stronger, about the same size, and
having a soft finish will draw closer and absorb shellac better
than the fishing line such as gave out on the East Boston armature"

Have you any suggestions to make with regard to
this matter?

Very respectfully

For M. F. Moore Gen. Manager.

J. Hastings

Mc Edison Co for Suggested Lighting
Statement May 31st 1882

TO THOMAS A. EDISON

MEMPHIS, TENN.

OFFICE,

35 SOUTH AVENUE, NEW YORK

Assets					
	Agency Balances	15095	444		
	E. C. Light Co	1536	55		
	E. E. Ill. Co	343	31		
	Armington and Sims	2523	00		
	<u>Sundry Accounts</u>	203	77	19681	07
	Work in Progress at cost			41231	64
	Material on hand			37038	44
	Customers			63005	28
	Cash on hand			13197	48
				174156	21
<u>Liabilities</u>					
	Accounts payable			2400	03
	Less capital Stock Investments Paid in			147146	18
	Surplus			138525	00
				8641	18
<u>Being</u>					
	Completed Installation	104,966	14		
	Less cost of land	71,783	57	33182	57
<u>Deduct</u>					
	Genl. Exp. & Agts. Compd.	15318	57		
	Expenses of Agencies	9222	82	26541	39
	Add profit on Work in Progress			8641	18
	Price charged (about)	61000	00		
	Cost (as above)	41231	64	19768	36
				28409	54

Spencer Trask & Co.,
Bankers & Brokers,
70 Broadway and 15 New Street,
New York City.

47 1882-06-17

BRANCH OFFICES,
CORNER OF FRONT ST. WASH.
PHILADELPHIA,
BOSTON,
SAN FRANCISCO.

Grace

Albany June 17/82.

Mr Saml Sewell
Mentor Park N.Y.

Dear Sir,

I have not as yet read
the Chicago Contracts, should
like you to send them so that I
may receive them Monday or
Tuesday. We are to meet in
New York next Thursday evening
and would like you to arrange
to be there.

Yours truly

J. W. A. Grace

Three or perhaps four interested Albany
gentlemen will be with me

THE EDISON ELECTRIC LIGHT CO.,
25 FIFTH AVENUE.

New York,

June 22 1880

J. C. Edison Esq.,

Dear Sir:

Major Eaton requests me
to write to you to inform you
that Mr. Moore will visit you
at New York tomorrow morning to
confer with you about the proposed
Rahway plant.

Yours truly

W. H. Greenwood

74
WDB

WDB

7-24-82

Dear Sir

I have instructed
H.L. Horton also 54 Broadway
to ~~me~~ pay your draft
on me for the money
due on. As a result, whenever
Lundy returns & you can
get it fixed you will
draw for the amount
due. I believe it is \$10.40.
I mail me the cert.

Yours,

W.H. Fairman

Acknowledge receipt
of this will attend to
the matter

THE EDISON COMPANY
FOR ISOLATED LIGHTING.

Please address reply
to the undersigned.

374 34
GENERAL MANAGER'S OFFICE,
65 FIFTH AVENUE.

Moore
New York, July 21st 1882

Thos. W. Edison Esq.,
Meads Park, N. J.

Dear Sir:

Having completed
the installation of a plant
at your house, I have had
the bill made up at cost,
& take the liberty of enclosing
it herewith.

Very respectfully, yours,

FOR M. F. MOORE, GEN'L MANAGER.

J. J. Hastings

THE EDISON COMPANY
FOR ISOLATED LIGHTING.

OFFICE OF SUPPLY DEPARTMENT,

No. 97 SIXTH AVENUE.

Please address reply to the undersigned.

New York, July 27th 1882

T. A. Edison Esq
Morris Park.

N. Y.

Dear Sir,

In accordance with the enclosed note of Maj. Eaton, I understand that I am to have the wiring of your house inspected by Mr Osborn. Will you have the kindness to notify me if there is any special time that would be convenient for such inspection, as it will necessitate the moving of your furniture, and taking up the carpets and floors, and I will be obliged to send a man a day or so in advance to get this done.

Yours respectfully,

J. H. Bair.

Supt.

Please return inclosure.

[ENCLOSURE]

Mr Vail,

Edison says he is satisfied with the wiring, and if
the insurance people do not like it they may cancel the policies.
You can go ahead and have the house inspected anytime, but I
would send word out a day or two in advance so that they may be
prepared to receive the inspector.

S. B. Eaton

July 26th. 1892.

per Mc.G.

THE EDISON COMPANY
FOR ISOLATED LIGHTING.

GENERAL MANAGER'S OFFICE,
86 FIFTH AVENUE,

New York, July 29th 82. 188

Please address reply to the undersigned.

S. B. Eaton Esq.

President,

Dear sir :-

In explanation of the apparently large amount of bill sent to Mr Edison, I would make the following statement.-

Our orders received May 13th were, to send to Menlo Park immediately, a man to wire Mr Edison's residence for 60 lights

The material and men were sent at once, but as the fixtures were to be made special by Messrs Bergmann and Co, the work of wiring was necessarily completed before the fixtures could be got ready. Pending the arrival of these fixtures, our men were employed in wiring Mr Edison's office building, and boarding house besides erecting certain telephone poles, altering the Central Station switch board, and doing other work in connection with the telephone system. Mr Vail is under the impression that very little time was lost, and that whatever loss there may have been was occasioned by the delay in receiving fixtures from Messrs Bergmann and Co.

I hand you herewith, itemised memorandum of the bill.

Very respectfully yours,

J. Hastings

THE EDISON COMPANY }
ISOLATED LIGHTING. }

GENERAL MANAGER'S OFFICE,
65 FIFTH AVENUE.

Please address reply to the undersigned.

New York, July 29th 1882

Memo. of Bill sent to J. A. Edison Esq. —

July 19/82	
Labor (See Statement A)	199.75
Expenses, (Board of mine, telegrams, Cartages, & petty)	106.65
Wire	42.87
Sundry materials	58.08
	<hr/>
	407.85
Expenses	512.50
	<hr/>
	919.85

THE EDISON CO. FOR ISOLATED LIGHTING.

J. A. Edison

EDISON COMPANY }
ISOLATED LIGHTING. }

GENERAL MANAGER'S OFFICE,
86 FIFTH AVENUE.

Please address reply to the undersigned.

New York, July 29th 1889

Statement "A"

Memo. Labor of J. A. Edison Esq.

J. A. Spuse commenced work May
16th & finished July 8th work =
=ing every day but Sundays, &
making in all 48³/₇ days, @ \$2.50

120.75

A. C. Bellows commenced work
May 16th & finished June 30th
making 39¹/₂ days @ \$2.-

79.00

\$199.75

THE EDISON CO. FOR ISOLATED LIGHTING,

J. Hastings

THE EDISON CO., for ISOLATED LIGHTING.

July 31 '82

Outstanding accts, due from Customers.

Customers.	Date of Bill.		Amount.	
F. C. Durant. (\$2500.- pd. on acct.)	Jan	1	4,196	51
W. H. Vanderbilt.	Feb.	28	6,477	88
Nathan & Dreyfus. (About completed)	Jan.	31	2,098	09
J. P. Morgan.	Feby.	28	4,092	25
D. F. Beatty. (\$1000.- paid.)	Mch.	8	3,543	98
J. B. Stetson & Co. (Due now)	Mch.	24	3,787	77
Merrimac Mills. (In dispute)	Mch.	14	3,578	05
Edison Elec. Lt. Co.	Mch	31	171	78
do			151	43
Columbus Plant.	Feb.	28	1,223	01
Wamsutta Mills (Enlarging)	Apl.	5	1,550	26
E. E. Light Co.	May	4	781	10
do	"	18	5	97
Merrick Thread Co. (Due now)	"	23	1,535	17
National Tube Wks. (Have written)	June	29	2,631	36
Max Ams. (Due now)	"	"	1,446	55
P Prof. Draper. (Not to be paid).	"	"	525	84

Customers.	Date of Bill.		Amount.	
E. E. Light Co.	June	7	825	00
Rittenhouse Mfg. Co. (Due in August)	"	19	2,122	96
W. O. Graves.	"	17	717	74
Seymour, Sabin & Co. (Have written)	"	"	497	70
J. P. Squires.	July	19	106	00
Seymour, Sabin & Co. (Have written)	"	"	505	28
S. H. Everett.	"	"	125	00
T. A. Edison.	"	"	919	85
Weed, Parsons & Co. (Due now)	"	"	1,851	14
Edison Lamp Co.	"	21	619	16
E. E. Illg. Co.	"	22	594	63
do	"	31	138	44
Jas. Harrison.	"	22	217	88
H. K. & P. E. Thurber.	"	"	67	54
Mattn. & Weichers.	"	"	64	15
Jas. Harrison.	"	31	50	25
R. H. Coleman.	"	"	50	00
Boston Sugar Refy.	"	"	116	84
Less			\$47,376	51
Reed. on			3,500	00
			\$43,876	51

(N. B. - Items marked "due now" may
(be collected at any moment.-)

E. & O. E.

For M. F. Moore, Genl Manager.
P. S. Hastings.

THE EDISON COMPANY
FOR ISOLATED LIGHTING.

47
OFFICE OF SUPPLY DEPARTMENT,
No. 97 SIXTH AVENUE.

Please address reply
to the undersigned.

New York, Aug 16 1888

Wail

Mr J. Insull.

Dear Sir.

The bearer Mr Hatzel
will connect wires and put
up chandelier and other
furniture which you desire
to have done.

Yours respectfully
J. H. Wail
Supt.

THE EDISON COMPANY
FOR ISOLATED LIGHTING.

OFFICE OF SUPPLY DEPARTMENT,
No. 97 SIXTH AVENUE.

Please address reply to the undersigned.

New York, Aug 16 1882

*Answered
Edison*

Prof. T. A. Edison,

Menlo Park,

N. J.

My dear Sir:

This Company are preparing to make an exhibit of 650 "A" lamps at the Mechanic's Fair, Boston, opening Sept 6th. In order to make such exhibit complete I have the honor to request that you will assist me in getting the following articles for use: viz - 1st a large photograph of yourself - with your autograph. 2^d a set of photographs of the Electric railway. 3^d a photograph of the Edison Machine works, and one of the Lamp factory. 4th A small sewing machine motor - to run on an "A" circuit. 5th The naked armature which Mr Spencer Bowen used in his lecture at Fall River.

THE EDISON COMPANY }
FOR ISOLATED LIGHTING. }

OFFICE OF SUPPLY DEPARTMENT,
No. 97 SIXTH AVENUE.

Please address reply to the undersigned.

²¹
J. A. E. New York, _____ 188

6th A set of bamboo filaments, and a set of lamps in the different stages of manufacture, such as is illustrated in "Engineering" Feb 17th.

I wrote the Lamp Co. in regard to the above, - but I think they misunderstood me, as they replied that you were not willing to show the "process of manufacturing" the lamp; I do not think the above article would be covered by that phrase.

In regard to the photographs of the 6th items; we can purchase them, - but it would be a great favor if you would lend us the 4th and 5th articles.

An early reply will greatly

oblige

Yours very respectfully,
J. A. E.
Sept.

SPENCER BORDEN, AGENT.

SIDNEY B. PAINE, } ASSISTANTS.
J. BORDEN, JR., }

Eastern Agency of

The Edison Company for Isolated Lighting.

P. O. Box 338.

Fall River, Mass., August 27, 1882.

T. A. Edison, Esq.

Dear Sir:

Your favor enclosing one from
Mr D. A. Dowd came duly to hand, and I
have communicated with that gentleman.
Enclosed herewith please find some vegeta-
ble fibre handed me by a friend as per-
haps suitable to make carbons for your
lamps. If it recommends itself to you I
would be pleased if Mr Wpton would try it.
If not, I would thank you to write me
the objection that I may give some report
to the friend who handed it to me.

Yours very truly
Spencer Borden.

Answered
Aug 31 1882

S B
S B
S B

SPENCER BORDEN, AGENT.

SIDNEY B. PAINE, | ASSISTANTS.
J. BORDEN, JR., |

Eastern Agency of
The Edison Company for Isolated Lighting.

P. O. Box 338.

Fall River, Mass., August 28, 1882.

T. A. Edison, Esq.
Dear Sir:

Enclosed herewith please find letter from Mr. P. O. Dowd, in reply to mine sent on receipt of that you sent me.

Before I meet him I desire to know from you how much you are his "old friend Edison." I only ask this as he avows himself an employer of a crowd that are robbing you, and with whom I propose to have no communication, except common business courtesy. Unless he is truly your "old friend," I do not think it proper for him to make too free in your office, where none but those truly interested in the success of the Edison system, and none other, should be in position to get points. It may be a fault, but I am always suspicious of "old friends" that help your opponents.

Yours very truly
Spencer Borden.

answered
Aug 31 1882

THE EDISON COMPANY
FOR ISOLATED LIGHTING.

OFFICE OF SUPPLY DEPARTMENT,
No. 97 SIXTH AVENUE.

Please address reply to the undersigned.

New York, August 30th 1882.

Mr. W. D. Edison,
Menlo Park, N. J.

Dear Sir,

In compliance with your telegram of the 29th. inst. I will send today to the Edison Machine Works the $\frac{1}{2}$ by 10 Armington and Simms engine and request them to pack and ship to London in accordance with your letter of yesterday.

Yours truly,
J. P. Wain
Supt.

THE EDISON COMPANY
FOR ISOLATED LIGHTING.

GENERAL MANAGER'S OFFICE,
65 FIFTH AVENUE,

Please address reply to the undersigned.

New York, August 31st '82 :88

STENOGRAPHIC

Handwritten signature of Thomas A. Edison
Thos A. Edison Esq

Menlo Park, N. J.

Dear sir :

We are in receipt of a letter from our Philadelphia Agent, under date August 29th containing the following clause.

" The Penn. Diamond Drill Co. of Pottsville, want to convey 75 Horse power down a shaft 240 ft deep, thence horizontally about one and a half miles where the power is wanted for hoisting coal and pumping water. "

The inquiry is whether we are prepared to furnish plant for the conveyance of that amount of power, and if so its comparative price and effectiveness as compared with compressed air.

Will you kindly send me such information on this point as may be of interest to our customer and greatly oblige,

Yours respectfully

For M. F. Moore Gen. Manager.

Handwritten signature of J. Hastings

THE EDISON ELECTRIC LIGHT CO.
25 WEST AVENUE

37

New York, Sept. 1 1882

Meadowcroft

Ans to Sept 1882
H
Samuel Insull Esq.

Dear Sir:

Will you kindly supply me with one of those large photos of Mr. Edison and have him put his autograph on same. I want it for the purpose of sending same to the Boston Exhibition which opens on the 6th inst.

Yours truly

W. H. Meadowcroft

THE EDISON COMPANY }
FOR ISOLATED LIGHTING. }

GENERAL MANAGER'S OFFICE,
65 FIFTH AVENUE,

Please address reply to the undersigned.

New York, Sept 2^d d. 82 188

STENOGRAPHIC.

T. A. Edison Esq

Menlo Park, N. J.

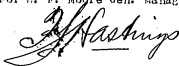
Dear sir :-

Referring to your favor of 1st inst relative to the defect reports, I would state that we have no desire to enter unnecessary or superfluous complaints in this book.

If such errors have been made, it has been only through the desire on the part of all our employees to use every possible precaution in these matters, with a view to the general interest of the business.

Very respectfully yours

For E. F. Moore Gen. Manager.



SPENCER BORDEN, AGENT.

SIDNEY B. PAINE, ASSISTANT.
J. BORDEN, JR., ASSISTANT.

Eastern Agency of
The Edison Company for Isolated Lighting.

P. O. Box 338.

Fall River, Mass., September 4, 1882.

T. A. Edison, Esq.
Dear Sir:

Your letter is at hand, and is very clear, especially as you will remember you explained the same points to me when last in New York. I can have a very good chance to compare the system you suggest with the old, as Mr Paine, and J. Borden, Jr. are just about commencing plans for the Peacedale and Lorraine Mills. I will have the calculations for one or both of them made both ways. I wanted to have seen you when last in New York, but you are so hard to find, I didn't know where to look. If you will keep Mr Meadowcroft posted as to your whereabouts I will not fail next time. Perhaps the best way to find you will be to telegraph him the day before I come, and let him make an appointment. Yours very truly
Borden.

Copy 11882

EDISON COMPANY FOR ISOLATED LIGHTING.

ISOLATED PLANTS INSTALLED IN THE UNITED STATES.

NOTE.—"A" LAMPS 16 CANDLE POWER

"B" " 8 " "
 CAPACITY OF E DYNAMO, 15 A OR 30 B LAMPS.
 " " Z " 60 A " 120 B "
 " " L " 150 A " 300 B "
 " " K " 250 A " 500 B "

NAME	ADDRESS	BUSINESS	A LAMPS	B LAMPS	DYNAMOS
Oregon Railway & Navigation Co.	Portland, Oregon...	Steamship "Columbia"	120	.....	2 Z
Hinds, Ketcham & Co.	New York City....	Printers	240	.....	2 "
New York & Norwich Line.....		S.S.City of "Worcester"	325	.....	2 "
Prospect House.....	Blue Mountain Lake	Hotel	125	.....	2 "
Baldwin Locomotive Works.....	Philadelphia.....	Machine Shops	75	.....	1 "
James Harrison.....	Newburgh, N. Y. . . .	Woolen Mill	126	1 "	
Nathan & Dreyfus.....	New York City.....	Machine Shops	125	1 "	
United States Rolling Stock Co.....	Chicago, Illinois ..	Car Shops	126	1 "	
United States Rolling Stock Co.....	Urbana, Ohio.....	Car Shops	128	1 "	
Manhattan Railway Co.....	New York City.....	Car Shops	125	1 "	
McKee & Fuller.....	Catasauqua, Pa.....	Car Shops	120	1 "	
Seymour, Sabin & Co.....	Stillwater, Penn. . .	Car Shops	250	2 "	
Danforth Locomotive Works.....	Paterson, N. J.....	Locomotive Works ..	60	.....	1 "
Oregon Railway & Navigation Co.....	Portland, Oregon...	Steamship Docks.....	120	.....	2 "
Oregon Railway & Navigation Co.....	Portland, Oregon...	S. S. "Queen of Pacific"	250	.....	2 "
James Gordon Bennett.....	Yacht "Namouna"	Steam Yacht	120	1 "	
James Gordon Bennett.....	New York City.....	Herald Building.....	500	.....	2 K
George W. Childs.....	Philadelphia.....	Ledger Building.....	250	.....	1 "
Winona Mills.....	Winona, Minn.....	Flour Mills.....	70	.....	1 Z
James Taylor.....	Newburgh, N. Y. . . .	Cloth Mill.....	125	1 "	
Tingue, House Co.....	Glenville, Conn.....	Cloth Mill.....	130	1 "	
W. Strange & Co.....	Paterson, N. J.....	Silk Mill.....	65	.....	1 "
Clark Thread Co.....	Newark, N. J.....	Thread Works.....	125	1 "	
Merrimack Manufacturing Co.....	Lowell, Mass.....	Print Works.....	250	2 "	
Fall River Bleachery.....	Fall River, Mass.....	Bleachery.....	105	40	2 "
Merrick Thread Co.....	Holyoke, Mass.....	Thread Works.....	98	1 "	
Wamsutta Mills.....	Fall River, Mass.....	Cotton Mill.....	750	.....	3 K
Alfred Dolge.....	Dolgeville, N. Y.....	Piano Materials.....	126	1 "	Z
E. S. Jaffray & Co.....	New York City.....	Dry Goods.....	100	80	2 "
H. K. & F. B. Thurber & Co.....	Moorestown, N. J. . .	Canning Factory.....	60	.....	1 "
H. K. & F. B. Thurber & Co.....	New York City.....	Wholesale Groceries...	250	80	2 "
Sperry & Barnes.....	New Haven, Conn. . .	Meat Packers.....	240	2 "	
Carr & Hobson.....	Bergen Point, N. J. .	Agriculturals.....	120	1 "	
D. F. Beatty.....	Washington, N. J. . .	Organs.....	250	2 "	
J. B. Stetson & Co.....	Philadelphia.....	Hat Factory.....	120	.....	2 "
American Bank Note Co.....	New York City.....	Engraving.....	125	1 "	
Boston Sugar Refinery.....	East Boston, Mass. .	Sugar Refinery.....	125	1 "	
Brooklyn Sugar Refinery.....	Brooklyn, L. I.....	Sugar Refinery.....	70	10	1 "

ISOLATED PLANTS INSTALLED IN THE UNITED STATES.—CONTINUED.

NAME.	ADDRESS.	BUSINESS.	A	B	DYNAMOS.
			LAMPS.	LAMPS.	
Ohio State Journal.....	Columbus, O.....	Newspaper.....	60.....		1 Z
J. O. Mattheissen & Wiechers.....	Jersey City.....	Sugar Refinery.....		300.....	2 "
J. Pierpont Morgan.....	New York City.....	Banker.....	250.....	50.....	
J. Hood Wright.....	Fort Washington.....	Banker.....		240.....	1 Z
Hotel Everett.....	84 Chatham St., N. Y.....	Hotel.....	130.....		2 "
Borden Block.....	Fall River.....	Offices, Stores, &c.....	125.....	12.....	2 "
Record Room.....	Washington, D. C.....	Gov't. Printing Office.....	125.....		2 "
National Tube Works.....	McKeesport, Penn.....	Tubing.....	65.....		1 "
R. H. Coleman.....	Cornwall, Penn.....	Smelter.....	60.....		1 "
Rittenhouse Manufacturing Co.....	Passaic, N. J.....	Woolen Mill.....	65.....		1 "
Arlington Mills.....	Lawrence, Mass.....	Cotton and Woolen.....	130.....		2 Z
Professor Henry Draper.....	New York City.....	Laboratory.....	15.....		1 E
Spencer, Trask & Co.....	Albany, N. Y.....	Bankers.....	15.....		1 "
E. & T. Fairbanks & Co.....	St. Johnsbury, Vt.....	Scales.....	60.....		1 Z
Weed, Parsons & Co.....	Albany, N. Y.....	Printers.....		150.....	1 "
J. P. Squires & Co.....	E. Cambridge, Mass.....	Pork Packers.....		130.....	1 "
Trenton Iron Works.....	Trenton, N. J.....	Iron.....	75.....		1 "
King Phillip Mills.....	Fall River.....	Cotton Mill.....	750.....		3 K
Max Ams.....	New York City.....	Canning Factory.....	65.....		1 Z
Hotel Vendome.....	Boston.....	Hotel.....	63.....		1 "
Western Edison Light Co.....	Chicago, Illinois.....	Agency.....	250.....		1 K
J. W. Doane.....					
Marshall Field.....					
Edson Keith.....	Chicago, Illinois.....	Residences.....	250.....		1 "
O. R. Keith.....					
Calumet Club.....	Chicago, Illinois.....	Club House.....	64.....		1 Z
N. K. Fairbanks.....	Chicago, Illinois.....	Residence.....	65.....		1 "
Academy of Music.....	Chicago, Illinois.....	Theatre.....	125.....		1 L
H. J. Rogers.....	Appleton, Wisconsin.....	Mills.....	300.....		1 K
State Prison.....	Anamosa, Iowa.....	Prison.....	16.....	200.....	1 L
Gazette Publishing Co.....	Davenport, Iowa.....	Publishers.....		120.....	1 Z
Rand, McNally & Co.....	Chicago, Illinois.....	Publishers.....		130.....	1 "
Marshall Field & Co.....	Chicago, Illinois.....	Dry Goods.....	65.....		1 "
Palmer House.....	Chicago, Illinois.....	Hotel.....	84.....		1 "
National Life Insurance Building.....	Chicago, Illinois.....	Insurance.....	130.....		2 "
McCormick Machine Co.....	Chicago, Illinois.....	Harvesters, &c.....		130.....	1 "
Worumbo Mills.....	Lisbon Falls, Me.....	Woolen Mill.....	150.....		1 L
Bourne Mills.....	Fall River.....	Cotton Mill.....	500.....	40.....	2 K
Record Building.....	Philadelphia.....	Newspaper.....	200.....	50.....	2 L
Laurel Lake Mills.....	Fall River.....	Cotton Mill.....	400.....		1 K 1 L
Slater Cotton Co.....	Pawtucket, R. I.....	Cotton Mill.....	300.....		2 L
Pemberton Mills.....	Lawrence, Mass.....	Cotton Mill.....	250.....	125.....	2 "
Lockwood Co.....	Waterville, Me.....	Cotton Mill.....	250.....		1 K
Germania Mills.....	Holyoke, Mass.....	Woolen Mill.....	50.....	20.....	1 Z
New England Pin Co.....	Winsted, Conn.....	Silk Mill.....	250.....		1 K
Aitken, Son & Co.....	New York City.....	Dry Goods.....	50.....	70.....	1 Z
Pottstown Iron Co.....	Pottstown, Penn.....	Iron.....	60.....		1 "
Conanicut Mills.....	Fall River.....	Cotton Mill.....	250.....		1 K

ISOLATED PLANTS INSTALLED IN THE UNITED STATES—CONTINUED.

NAME.	ADDRESS.	BUSINESS.	A	B	DYNAMOS.
			LAMPS.	LAMPS.	
Peacedale Manufacturing Co.....	Peacedale, R. I.....	Cotton Mill.....	250	.....	1 K
Everett's Hotel.....	102 Vesey St., N. Y.	Hotel.....	250	.....	2 L
R. M. Pulsifer & Co.....	Boston.....	Boston Herald.....	150	.....	1 "
Baltimore Steam Packet Co.....	Baltimore, Md.....	Steamer "Carolina".....	.....	126	1 Z
Harder Knitting Co.....	Hudson, N. Y.....	Knitting Mill.....	160	.....	1 L
Eastman Dry Plate Co.....	Rochester, N. Y.....	Photographic Materials.....	15	.....	1 E
Sibley Manufacturing Co.....	Augusta, Ga.....	Cotton Mill.....	450	.....	2 K
Mill Creek Distilling Co.....	Cincinnati, Ohio.....	Distillery.....	60	.....	1 Z
Lorraine Woolen Co.....	Pawtucket, R. I.....	Woolen Mill.....	400	.....	1 K
Willimantic Linen Co.....	Willimantic, Conn.....	Linen Thread.....	60	.....	1 L
Boston Rubber Shoe Co.....	Malden, Mass.....	Rubber Shoes.....	60	.....	1 Z
Sayles & Washburn.....	Mechanicsville, Con.	Woolen Mill.....	.....	132	1 "
Whiting Paper Co.....	Holyoke, Mass.....	Paper Mills.....	.....	120	1 "
Ladd & Logan.....	San Francisco, Cal.	Agency.....	60	.....	1 "
University of Missouri.....	Columbia, Mo.....	College.....	60	.....	1 "
Prof. C. A. Young.....	Princeton, N. J.....	College.....	.....	30	1 E

65 FIFTH AVENUE,

NEW YORK CITY, SEPTEMBER 7, 1882.

THE EDISON
ISOLATED LIGHTING SYSTEM

GENERAL MANAGERS OFFICE

36 FIFTH AVENUE

Please address reply
to the undersigned.

TELEGRAPHIC

Hastings

New York, Sept 21st 1889

Thomas A. Edison Esq.
Present

Dear sir:-

Your favour of the 20th inst relating to wrenches received and noted. When we first received your Dynamamos they were accompanied by wrenches, and we presumed that such arrangement would be continued. Probably this was the basis of Mr. Vail's complaint

Very resp^y yours,

FOR M. E. HODGE, GENL. MGR.

J. Hastings

THE EDISON COMPANY }
FOR ISOLATED LIGHTING. }

GENERAL MANAGER'S OFFICE,
65 FIFTH AVENUE,

Please address reply to the undersigned.

New York, September 27th, -92. 188

Thos. A. Edison Esq.,

Present


Dear sir:-

I received to day your favor relative to installing a 15 light machine for Thomas Bell at Catskill N.Y.

I note that you have informed Mr. Bell that the cost of installation will probably be \$400.00. The price of this machine alone is \$500.00 with wiring fixtures, &c; the complete installation will probably cost from 550.00 to \$800.00 I will however write to Mr. Bell to day, giving him such information as may be of interest to him.

Very respectfully yours,

For M. F. MOORE Gen'l Manager



Copy to Mr. Morgan
Mr. Edison,
This report of Mr. Bradley ought properly to go into
the Defect Book. But it seems to me too long. Is it not enough
if you see it and if I send it to Mr. Kruesi? I might put
brief extracts from it in the Defect Book. Please read and return.
S. B. Eaton
October 7th. 1882. per Mc.G.

THE EDISON COMPANY
FOR ISOLATED LIGHTING. }

GENERAL MANAGER'S OFFICE,
65 FIFTH AVENUE.

Please address reply to the undersigned.

New York, October 17th, 1888

Thomas A. Edison Esq

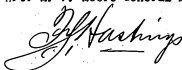
Present

Dear sir:--

Will you please inform me at your earliest convenience as to the kind of lamps to be used in connection with the Roselle Plant. I am desirous of placing the order with Mr Upton,

Yours very truly,

nFor M. F. Moore General Manager



10 candle 250 ohm lamp
order must mention that each
lamps shall have marked on it
Volts & Resistance =

[FROM SHERBURNE B. EATON]

30
RECEIVED
NOV 3 1882
ANSWERED
Nov 3.5L
Edison -
Will you please
give me next Wed.
& Thurs. to go to
Boston, as guests of
Parent Co., with me,
to see Borden's show
of Edison light
in the Boston fair?
over

I will speak to J.
abt it next
time I see him -

What say you?

S. B. E.

Nov. 3.

Mr. Edison,

Mr. Johnson and I will go to Boston next Friday forenoon on the 10 o'clock train. We shall probably return Friday night on the train that leaves there at 10 at night. That will give us from 5 o'clock to 9 at the Fair. . . If you want to make us both very happy you will come with us.

S. B. Eaton

November 4th, 1882.

per Mc.G.

Will try to

Mr. Edison,

W. H. Moore is now in Georgia. His last letters are from Atlanta. He is visiting all the principal mills in that State. His next move will be in the State of Alabama. He is getting no orders but is sowing seed.

S. B. Eaton

November 9th, 1882.

per Mc.G.

New York Nov 18th 82.

File

Mr Edison,

Spencer Borden writes us that going to Boston in the cars, you promised to let him have one of your men to take the place of Francis whom we sent out West.

Will you kindly advise me who that man is, as Mr B. is anxious to get him.

M. F. Moore, Gen. Manager.

By S. A.

Will see about it - why was Francis taken from him

Mr Moore says "because he was needed for more important work."

A/H

EDWARD KILBURN,
Agent.

ANDREW G. FIERCE,
Treasurer.

Wamsatta Mills.

FINE SHIRTINGS,
CAMBRIC MUSLINS,
LAWNS, MORME CLOTH.

BLEACHED AND BROWN SHEETINGS,
Plain, Twilled and Double Warp,
In all widths to 108 inches.

SATTEENS,
CRETONNES,
&c., &c., &c.

New Bedford, Mass., Nov-25th-1882.

Spencer Jordan Esq.,
Boston, Mass.

Dear Sir

Yours of the 17th
at hand. The Millmontic Thread
Co. probably spins the finest
thread made in this country.

They have spun as fine as
* 110s.

Yours truly
Edward Kilburn Esq.
W. F. Fierce

Mr. Edison

WILLIMANTIC LINEN CO.,
WILLIMANTIC, CONN.

Nov. 24, 1892.

*Answered
Nov 25. 1892 R*

Mr. Thos. Edison,
15 Fifth Ave.,
N. Y. City.

Dear Sir:-

I send you by this mail, a cop of No. 4000 yarn; this I send at the request of Mr. Spencer Borden, Manager of the New England department, of the Edison Electric Light Co. Should this be not just what you wish, we shall be glad to furnish you anything we have, on hearing more definitely, just what is wanted.

Very truly yours,

Willimantic Linen Co.,

W. E. Parsons, Pres't.
L. A. C. Clerk.

(Nov. 27 1882)

Mr. Edison,

The talk about the installations of the Isolated Company leads me to suggest the following plan for your criticism.

FIRST. Let us officially establish the main features of the usual house and factory installation of the Isolated Company. For that purpose I will call a meeting of the Directors of the Isolated Company, and will invite Greenfield ~~xxxxxxx~~ and Clarke to be present. Among the Directors are yourself and Johnson. At that meeting let ^{or} ~~the~~ standard installation be fixed.

OK

*Yes
adopt a
rule
of
change*

SECOND. Let some plan be arranged at the meeting for such an emergency as a departure from the standard installation, where the peculiar circumstances of the proposed plant require it. Perhaps that can best be left to the discretion of the officers of the Isolated Company.

THIRD. Let the Board of Directors of the Isolated Company pass a resolution to the effect that no change in the details of the standard installation determined upon shall be made, nor shall the same be altered, without the written approval of the President (or any other officer you may think best) of the Isolated Company. Let the resolution further provide that when any change in any of the appliances of an installation is made, as for instance by Bergmann & Co., the same shall be submitted to the President of the Isolated Company, who shall at once confer with the engineering officers of the Isolated Company, and with such others as he may think best, and after doing so, shall notify Bergmann & Co., or such other officers as may have brought the proposed improvement to his notice, what the decision of the Isolated Company is. If this decision is not satisfactory to

Bergmann & Co., let a Board meeting then be called, to which
Clarke, Greenfield &c. shall come.

Does this plan meet your approval? If not will you
kindly suggest another.

S. R. Eaton

November 27th. 1892.

per H.C.G.

Perfectly Satisfied
Edison

THE CENTURY
100 EAST 10TH STREET

Will be at 530
Day that I can't go up to
65 or 2
pm
August 29, 1882.

Mayer
My dear Mr. Edison,

I am chairman of a
Committee of the Century Club
(109 E 15th St) to report on
the lighting of the picture
gallery by electric light.

Can you meet me at
3-30 P.M. on Friday, 29th day
after tomorrow - the Committee
meets on Friday evening and
I hope you can make

the engagement.

I be happy to report
your opinions at the meeting.

Yours cordially

Alfred W. Mayer

I,

Thos. A. Edison

Form No. 41.

NIGHT MESSAGE.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS no message except on business during its hours, which have been assigned to by the authorities of the country concerned. Orders can be received against only by repeating a message back to the sending station for correction, and the company will not be held liable for errors or delays in sending or delivery of messages. Night Messages will be sent at special rates, subject to loss unless the amount paid for transmission is in full. This is an UNREPEATED NIGHT MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. C. ECKERT, General Manager. NORWICH, N. Y.

NUMBER	SENT BY	RECEIVED BY	PRICE
1282	W	Wm	10

Received at the WESTERN UNION BUILDING, 196 Broadway, New York, Dec 5 1889.

Dated Both me 4
 To J. A. Edison
 65 5th ave ny
 When can you ship automatic
 regulator to Warrumbro new wheel
 starts Wednesday answa to Boston
 Sidney B. Staine

The Edison Company for Isolated Lighting,
65 Fifth Avenue.

New York, December 6th, 1882.

TO THE STOCKHOLDERS:—

The Board of Trustees are pleased to be able to inform you that the business of the Company for the first year of its operations has been very satisfactory. The early part of the year was necessarily occupied, in preparations and canvassing, so that it may be said that the profits have been realized largely within the last six months, and notwithstanding the expenses incident to the organization of a new industry, the net profits actually earned up to the end of the present year, warrant the Board in the declaration of a dividend of ten per centum on the Capital Stock of the Company, which has accordingly been resolved upon, and which will be payable on the 30th day of January next, to the Stockholders of record, at the closing of the books on the 4th of January, as hereinafter provided.

The Company has been somewhat embarrassed, even in this its first year, by the insufficiency of its Capital for the prosecution of its large and constantly increasing business. The large amount of work at all times in progress, together with the stock of Dynamos, Engines, and other materials necessarily kept on hand to enable us to fill orders promptly, requires the constant use of a large amount of money. The Board is fully satisfied that to enable the Company to execute promptly future orders, an addition to its present resources will be required, which even the retention and use of the year's earnings would not fully supply. The Trustees have therefore resolved to call a special meeting of the Stockholders, in pursuance of the notice herewith enclosed, to be held on the 30th day of December inst., to act upon the proposition to increase the Capital Stock of the Company, from five hundred thousand dollars to one million dollars.

Of the increased stock 51 per cent. (\$255,000), will be issued to the Edison Electric Light Company as provided in the contract between the two Companies, and the remainder 49 per cent. (\$245,000) will be offered for subscription at par to the Stockholders of record at the closing of the books, on the 4th of January next.

The transfer books will be closed at the Central Trust Company, on the 23d inst., for the meeting of the Stockholders, and remain closed until Tuesday, the 30d day of January, when they will be re-opened for two days, closing on the afternoon of the 4th of January, and Stockholders of record at the last named date will, if the increase of Capital is authorized at the Stockholders meeting, be entitled to subscribe for one additional share of Stock for each share of the present Capital Stock standing in their names at that time.

The transfer books will be re-opened on Monday, January 22d.

The option to subscribe to the increased Stock, will remain open to Stockholders of record at the closing of the books, on the 4th of January, until the close of business on Wednesday the 10th of January. Any amounts not then subscribed will be disposed of as may be directed by the Board of Trustees.

The terms of subscription as fixed by the Board of Trustees requires the payment of fifty dollars per share, at the time of making such subscription, the remaining fifty dollars per share to be subject to the call of the Board in such sums and at such times as it may determine.

Forms of subscription will be sent to each subscriber immediately after the closing of the books, January 4th.

If you cannot be present personally at the meeting of the Stockholders on the 30th inst., please sign the enclosed proxy, have the same witnessed and return it to the undersigned before the day fixed for the meeting.

By order of the Board,

C. GODDARD, Secretary.

Mr. Edison,

The 10 per centum dividend of the Isolated Company will be payable January 20th. We are going to advertise this dividend in the usual language customary in such cases, in all the leading newspapers of New York City. M. Ernesto Fabbri was very desirous this should be done.

Regarding the scheme of increasing the capital stock of the Isolated Company, a circular has been prepared which is being printed and will be sent to you in a day or two. That will tell you the whole story so I will not stop to do it now.

S. B. Eaton

Dec. 8th, 1892.

per Mc.G.

Mr. Edison,

Referring to this memorandum from Mr. Moore to myself, we are to have an adjourned meeting of the general conference of last week in my room next Monday night. Let me suggest that at that meeting, either before or after the miscellaneous crowd shall have assembled, you and a few others of take up this memorandum of Mr. Moore. How does that strike you?

S. B. Eaton

Dec. 15th. 1892.

per Mc.C.

F.

[ENCLOSURE]

Dec 13th 1912

Maj. Eaton,

President,

We have a number of plants running in which we use the " L " dynamo with " B " lamps.

We have no extra armatures for this class of machine, neither have the machine works.

I think something should be done at once whereby we may be supplied with extra ones in cases of emergency. If you desire I will see you and discuss this subject.

We also ought to make some provision for a stock of extra lamps, as we would be in a very awkward position should anything occur at the Lamp Factory by which the product would be cut off, we not having any number of lamps in stock. I think this ought to be discussed and immediate action taken.

We have also received from the Machine Works, the whole of our order for " L " dynamo machines and some in excess. There are still a few " K " 's back. I think immediate action should be taken by which a stock of both sizes may be secured.

We have enough " Z " machines on hand for our immediate wants.

M. F. Moore, Gen. Manager.

By S. A.

Mr. Edison, -

Will you please meet Mr. Moore in my office Monday morning at 10 o'clock to discuss the Bijou Theatre plant. Mr. Moore has this day received from Mr. Borden a letter wherein the latter states he is going to make immediately certain important changes in the plant. This should not be done until after our conference takes place on Monday. Consequently the conference ought to take place on Monday morning. Will you kindly be at my room at about 10 Monday morning.?

S. B. Eaton

Dec. 16th. 1882.

per Mg.G.



Mr. Edison,

Referring to our talk this morning with Johnson and Borden about the men selected to go to Boston I have had a conference with Mr. Vail in Mr. Borden's presence. I have also seen Mr. Clarke about one of the men. Mr. Borden decides to take Mr. Hughes, Mr. Bellows and Mr. Doubleday, and is entirely satisfied to do so. For a dynamo man Borden will take Mr. Hoey, who is now running the Maxim plant at the Hoffmann House where he attends to both the engine and dynamo. He wants to come with us. Vail has known him for 15 years. Borden wants him and will probably take him.

S. R. Eaton,

December 20th. 1882.

per No. 69

Mr. Edison,

The Worumbo company have ordered out the Maxim lamp and have given us an order for two more dynamos. They already have one of our J dynamos. They now order in addition two K dynamos.

Borden telegraphs me to day that he must have two men from Greenfield to take up this Worumbo order, as they want the light at once or not at all. I will attend to it.

Borden telegraphs that he wants one man to take charge of driving dynamos to be stationed in one place I suppose. I believe you could furnish him such a man. Will you please send a man to Mr. Hastings for him to send him to Mr. Borden immediately. If you cannot furnish a man will you please communicate direct to Mr. Hastings to that effect.

S. B. Eaton

Dec. 21st. 1892.

per Mc.C.

Mr. Edison,

Here is an interesting piece of news. Please destroy
the dispatch after reading it.

S. B. Eaton

Dec. 21st. 1882.

per Mc.G.

[ENCLOSURE]

[FROM SPENCER BORDEN]

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Errors can be remedied only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or omissions in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

TIMOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
343	18754	Wpd.	12-41

Received at **791 BROADWAY.** Dec 21 1882.

Dated Boston Mass 21
To Major S. Beaton
Break 65-50¢
Worumb's order's out machine
apparatus and I have ordered for
two K dynamies in addition
to L already there Borden

This telegram has just been received at the office in 791 BROADWAY, near South Street, where any reply should be sent.

DIRECT WIRES.



H. O. PITCH
DEC 24 - 1882

Boston, December 24 1882

E. T. Greenfield
New York

Dear Sir

I have at last caught another opportunity to write you but have no particular news to write that concerns the part of the work that you did as I have only been compelled to run but one night with any circuit grounded, but no one says it so it was all right.

In setting up their engines they only got 8 feet from center to center from a 4.3 inch wheel to a 10 inch wheel the belt would naturally slip - it seems to be a nice little trick to slip it, but they will set it back ^{2 1/2} as soon as Moore comes to order it.

The lights flicker some most of
the time but don't think the
people notice it nor the Management
but I can see it very quickly
I am pretty well straightened up
and will only put in my regular
day hereafter but have up to this
time worked from 8 AM to 11 PM

I took down the small chandeliers
today & found but two or three lamps
broken but several jarred loose
The large chandelier holds out very
well as I can not see that any
lamps are gone out of it

I put the newel post lights on the
circuit running the front of the house
as I put auditorium light out but
leave newel lights (or some of them) for
users to see checks by
Sales today concealed wires for
small chandeliers & put on clamp
attachments so it will not be much
of a job to cover them hereafter



Mr. Edison please
Recd
Newfield,

Boston, _____ 188.

Mr Hastings & Mr Tyder have
both approached the subject of
staying & signing for 6 mos. or
year but left the matter open
for the present.

The regulator works first rate
but is not heavy enough for
the whole hotel and the
changes made in the 2^d act is
simply immense and captures
every one that witnesses it.

I have to do most of the work
myself and keep a carpenter to
cover up after my Inspector for
Chf. of Fire U. W. has not come yet
but will in a few days I am
ready for him most any time
I have about \$5.80 16 C.P. Lamps in
circuit & still increasing

I wrote and telegraphed for money and bill for the clearance of the Bayou Co would now be in the post house or some other like institution. My Christmas will be a hard days work of 2 performances - I suppose New Years also with other work. I have not been hardly two blocks from the theater since I came here. I have better accommodations here than I had at the Milliken house by far and pay the same money. We have an elevator, Gas, running water, & steam.

I need the portable plugs very much for the bunch light & reflectors & hope Bergman will finally consider the order. Have received the house box plugs & clamps.

Respectfully,
W. A. Litch

53

Dec. 30. 82
Familis

Washn. D.C. 12. 20. 1882.
D. Inceull
New York.

Dear Inceull,

I have not heard about my
Selected Stock

I do not want to annoy
you with the matter but inasmuch
as it was your ^{an Mr. Lawrence} agreement to fix it for me on
condition of my releasing my
claims on the stock then in the
possession of the company on which
I had a lawful claim. I want
to object to any further delay
in the matter.

Yours Truly
W. H. Austin

The Edison Company for Isolated Lighting,

65 Fifth Avenue.

New York, December 30th, 1882.

DEAR SIR:

At a meeting of the Stockholders held this day an increase of the Capital Stock of the Company from Five Hundred Thousand Dollars (\$500,000), to One Million Dollars (\$1,000,000), was authorized. In accordance with the terms of the Company's circular of the 6th inst., Stockholders are entitled to subscribe to this increased Stock to an amount equal to the shares of the present Capital Stock standing in their names, on the books of the Company, at the closing thereof, at the Central Trust Company, on the 4th of January next.

This option to subscribe to the increased Stock will be open to Stockholders until the close of business on Wednesday the 10th day of January next, on which day any amount remaining unsubscribed may be disposed of as may be directed by the Board of Trustees.

If you desire to avail yourself of this privilege, please sign the enclosed form of subscription and forward the same to reach this office before the expiration of the time limited above, *together with check for Fifty (50) per cent. of such subscription.*

By order of the Board,

C. GODDARD,

Secretary.

**1882. Electric Light - Edison Company for Isolated Lighting -
Defect Reports (D-82-022)**

This folder contains correspondence and other documents reporting defects and problems in isolated lighting plants. Included are summaries of problems recorded in "defect books." Many of the documents are by Jonathan H. Vail, superintendent, and are addressed to Sherburne B. Eaton. Related material can be found in the Edison Electric Light Company Bulletins (Company Records Series).

All the documents have been filmed.

ABSTRACT of DEFECT BOOK, For

Week Ending April 22 1882,

Lamps.	<u>AT J. P. MORGAN'S</u> -- Variation in candle power of Lamps of same Volts. Specimens sent to Lamp Co. for Report.
Plugs.	<u>AT RECORD Room</u> ---Washington--- Plugs burned out in consequence of using 20 lt plugs for 54 lights.
Commutator:	Commutator in bad condition. Reason-- simply ignorance of care of Dynamos: (per Report Mr. Waters).
Wire Bindings:	<u>AT MATTHUSSION and WIECHERS.</u> Jersey City-- Wire bindings on armature came loose, Machine Works notified and man sent to repair same. Machine works have since said they could not send a man.
Fixtures.	<u>AT J. G. BENNETT'S YACHT.</u> -- Mr. Howell reports Fixtures No. 66 Bergmann's twisted off flange. Fixture No. 5. entirely stopped up. Flange too thin to stand.
Cut out Blocks.	No. 184 Cut out block with 60 light plug carbonized with 50 lights. Three reasons given by Mr. Howell for the accident.
Lamps.	<u>AT EVERETT'S HOTEL.</u> --- One of the Lamps on being screwed in, arced in socket, Lamp was blown to pieces. Piece of socket at my office. Upton notified.
Armature	<u>AT BOSTON SUGAR REFINERY.</u> --- Mr. Andrews reports on Armature Received from this place, All outside wire was torn off or broken. This probably resulted from

stripping off of the brass binding wire whilst the armature was revolving or from something falling in and getting jammed between field and armature:

The Commutator showed evidence of neglect and Journals badly worn away and cut for want of oil:

Out out.

AT J. P. MORGAN'S.-- The copper connecting wire to the screw of the dynamo cut out, melted off at the connection. The sheet metal of which, the screw is made seems to be too thin and would not stand the current:

Respectfully submitted,

J. H. Vail,

Supt.

ABSTRACT FROM DEFECT BOOK FOR WEEK ENDING.

APRIL 29, 1882.

LAMPS
&
BRACKETS.

*Mr. Bergmann
to report on
brackets.*

NATIONAL TUBE WORKS SEND A REPORT OF LAMPS BURNED OUT FROM
APRIL 1ST. TO APRIL 18TH. INCLUSIVE DURING WHICH TIME 50
LAMPS GAVE OUT. FROM THE LARGE NUMBER GIVING OUT THEY
THINK THERE IS SOMETHING WRONG. THEY ALSO FOUND ON APRIL
11TH. THAT SIX BRACKETS HAD LEAD WIRE BURNED OUT. MR.
SCHROEDER IS NOW INVESTIGATING THIS PLANT.

APPEARANCE
OF OUR
DYNAMOS.

Mr. Dean

HENRY A. RONAN. BUDLIC LEDGER, PHILADELPHIA WRITES
APRIL 22ND. OBJECTING TO GENERAL APPEARANCE OF DYNAMO, AND
SUGGESTS A BRASS PLATE TO COVER THE END, AND PAINTED SOME BET-
TER COLOR THAN BLACK. THINKS IT LOOKS ROUGH AND UNCOUTH AS
COMPARED WITH OTHER MACHINES.

SWITCH
&
LAMPS.

*Mr. Bergmann
as to switch*

W. W. MUNROE, BOSTON. WRITES APRIL 21ST. THAT AT
J. P. SOUIRED, EAST CAMBRIDGE, SOME ONE HAD WRENCHED OFF THE
HEADS OF THREE SCREWS FROM ONE OF THE SWITCHES RENDERING IT
USELESS.

RESISTANCE
BOX.

Mr. Bergmann

ON 20TH. AT AN EARLY HOUR 14 LIGHTS GAVE OUT AND ATTRI-
BUTES IT TO WANT OF DISCRETION IN MANAGEMENT OF RESISTANCE BOX
MR. VAIL STATES THAT AT J. P. MORGAN'S HOUSE ON EVENING
OF 25TH. INST. THE WIRE IN RESISTANCE BOX GOT HEATED AND
BURNT THE WOOD SO THAT THE RESISTANCE BOX WAS USELESS,
DUE TO IMPERFECTION IN MANUFACTURE, J. H. V.

WIRE
BINDING.

W. W. MUNROE WRITES APRIL 25TH. THAT AT BOSTON SUGAR

W. Deau.

REFINERY THE WIRE BINDINGS ON COMMUTATOR HAD COMMENCED TO WEAR AND THINKS THERE IS CONTACT SOMEWHERE ALTHOUGH THE ARMATURES SEEM TO CLEAR ITSELF AT EVERY POINT

REGARDING ABOVE MR. BANCROFT WRITING APRIL 26TH. SAYS-
 "THE COMMUTATOR IS IN ADMIRABLE CONDITION SHOWING BUT SLIGHT SIGNS OF USE AND ONLY ONE COURSE OF THE TIE WIRE HAS STARTED AND BUT ONE OR TWO CONVOLUTIONS OF THAT ARE GONE. HE ASSIGNS TROUBLE TO THREE CAUSES,

- FIRST, EXTREME STRESS OF BELT.
- SECOND, AN IMPERFECT BEARING.
- THIRD, SOFT BABBITT.

AS SOON AS HE LEARNED WHAT METAL TO USE HE WOULD HAVE THE DEFECT REPAIRED AND MACHINE RUNNING. MR. MOORE NOTIFIED HIM. J. H. V.

LAMP
 SOCKET.

*Mr. Vail &
 Col. Goddard
 to report.*

MR. ED. KENDALL, VALPARIAISO, CHILI, WRITING TO MR. FABRI
 APRIL 26TH, 1892 SAYS,

"THE BASE OF THE 50 LAMPS RECEIVED IS TOO LARGE FOR THE SOCKETS WE HAVE AND THE METAL CONNECTION DIFFERENTLY ARRANGED. THE COPPER BRUSHES ARE ALSO TOO WIDE.

BRUSHES.

(APRIL 26TH.) MR. VAIL REPORTS RE RESISTANCE BOXES,

THAT WHEN TWO OR MORE DYNAMOS ARE PUT IN CIRCUIT, OCCASIONALLY

RESISTANCE THERE IS NEED TO RUN ONLY ONE ON ACCOUNT OF LIGHT LOAD. THE

BOX

*Mr. Clarke to
 report on this
 point.*

RESISTANCE BOX IS THEN NOT PROPERLY PROPORTIONED TO OPERATE ON THE ONE DYNAMO. THERE SHOULD BE SUCH CHANGE MADE IN THE

RESISTANCE BOX THAT HOWEVER LIGHT THE LOAD IT WOULD OPERATE ON ONE

TWO, OR THREE DYNAMOS AS THE CASE REQUIRED. THIS NEEDS PROMPT ATTENTION. J. H. V.

MR. J. W. SCHROEDER REPORTS APRIL 27TH. FROM NATIONAL TUBE WORKS,

"THE RESISTANCE BOX DOES NOT WORK AND MR. PATTERSON WHO HAS CHARGE OF THIS DEPT. SAYS IT NEVER HAS CONTROLLED THE

LAMPS - HE SAYS "LAST NIGHT WE HAD 35 LAMPS IN CIRCUIT AND THEY STOOD AT FROM 24 TO 30 CANDLE POWER BUT NO LAMPS WERE BROKEN." HE ALSO SAYS THAT "THE SAFETY CATCH IN THE MAIN IS 9 INCHES LONG AND HAS BURNED OUT ONCE OR TWICE WHEN A FULL NUMBER OF LAMPS WERE ON. MR. STERN PUT IT IN BUT MR. SCHROEDER WILL NOW CHANGE IT.

SAFETY
CATCH
IN MAIN.

DITTO IN
SOCKETS.

FIVE SOCKETS WERE SHOWN ME IN WHICH THE LEAD WIRE MELTED OUT.

THE SAME HAPPENED TO FIVE JOINTED BRACKETS.

RESPECTFULLY SUBMITTED,

J. H. VAIL,

SUPT.

Mr. Clarke

ABSTRACT of DEFECT BOOK.

for

Week Ending May, 6th 1902.

Armature.

Rio De Janeiro Apr. 5, '02.

A slight appearance of burn appeared on last armature sent, and McCarthy thinks it will not last. It has not however extended.

J. G. Moore and Co. also say they are returning one of the Two armatures McCarthy had remade there, to be examined and defect found out and explained.

May, 2, '02.

Face Board
of Dynamo.

At Hotel Everett, the face board had shrunk so much that the binding screws did not make perfect contact with mains from the brush holders.

The mains were found to be quite hot on this account. A similar report is made from the Baldwin Loco. Works. Phila. Pa.

J. H. Vail.

May, 2, '02.

Switch &
Socket.

At Squires I have put in new switch and replaced faulty socket.

Spurking.

All the Lamps run nicely but there is such an excess of spark and brushes heat so much that I suspect a short circuit or general leakage in some part of the line, but it is not serious enough to show in Lamps or Safety plugs.

G. D. Bancroft.

May, 4, '82.

Tie Wires.

The tie wires on the Squires armature have started up, I have resoldered them as I best could without removing the armature from the machine. These wires were originally soldered in spots and seem to have been laid on only very loosely.

G. D. Bancroft.

May, 6, '82.

Ceiling

In the ceiling flanges No. 79 the screw holes are

Flanges.

too small and often have to be reamed out.

J. H. Vail.

Key on A

In the 8 1/2 x 10 A: and S. Engine in use at E. S.

S. Engine

Jaffrays, the key which holds the piston rod in the cross head is made of soft Iron, and has been very badly bent, also, the bolt which fastens the strap on the connecting rod at the crank end, has had the same difficulty.

To some extent this has probably been due to lack of care in clearing the cylinder of water before starting the engine, similar parts should be made of soft steel.

J. H. Vail.

Pol. Brass.

In the lower half of Pol. Brass socket the bushing

Socket.

which is threaded to screw on the fixture is not firmly soldered in the brass cap, and does not stand the necessary strain to screw it firmly to the fixture. The thread is also often found too large to make a good fit.

To

Maj. Eaton,
Vice President.

Respectfully J. H. Vail.

submitted,

J. H. Vail,
Supt.

RECEIVED
MAY 23 1882
ANSWERED

.....SS.....
FILE No.....

DEFECT BOOK REPORT FOR WEEK ENDING MAY 20TH. 1882.

Swelling
of
Sockets
and
Lamps.

Mr. McCarty writes from Rio, April 15th. 1882, that he is bothered with sockets in wet weather. They swell so much that it is a hard matter to take them apart. He says he puts them on a boiler and roasts them. Out of 60 lamps there is sometimes one or two that will not burn and if he does not touch those that will not burn, they usually burn all right the next day that it is dry.

Holyoke Mass. May 12th. 1882.

Stud on
Machipe
Switch.

The stud on which the switch swings, is broken off close to the face of the lever, so of course there is no nut to hold it down. At first I thought this might cause a part at least of the trouble but as there is no manifestation of heat about this part of the machine, and as several turns of wire bridging the switch did not help matters, I am well satisfied the switch is as well without the nut, as it would be with it.

G. D. Bancroft.

I dont think so. J. H. V.

Extract from letter of Messrs. E. Kendall & Co.

Valparaiso Chili, April 1st. '82

Insulating
Compound
in
Iron
Mains

" " One word we have to say about those mains, (the iron pipes with copper conductors inside). It seems to us that the substance used for filling the pipe, and insulating the conductors, will have to be altered, as with the slightest exposure to the sun, it melts and runs out, and it is possible the conductors may come in contact with one another in the iron pipe, or very dangerously near to one another.

This is hardly likely to occur when once underground but during the voyage or landing, transport or process of laying, it may easily and will occur that they are exposed to the powerful heat of the sun. We noticed this from the small pieces we have here being exposed for a very short time to the sun in this office window, the tar ran out and left the pipe half empty before it was noticed. " "

New York May 19th. 1882.

Lamps.

A lamp has been received from J. B. Stetson & Co. Philadelphia, which has never been burned, but has hung in a room exposed to damp vapors. It was found the inside tube enclosing conducting wires, had partially filled with water which has since evaporated.

This water was undoubtedly absorbed in the plaster of paris and condensed through into the tube. There

have been complaints at different times in regard to plaster of paris softening under the influence of steam and other vapors in different buildings. It would seem necessary that some composition be used, that would be impervious to moisture.

Sockets.

There is great difficulty in obtaining sockets suitable to use with lamps in places subject to moisture. Hard rubber sockets are very expensive, and wooden sockets swell and destroy the connections. The new socket Bergmann is making, may overcome this difficulty to some extent. J. H. Vail, Supt.

New York May 19th. 1882.

Resistance
Box.

Mr. Howell states, the resistance box for two "Z" Dynamo has not sufficient controlling power when running a small number of lights.

The resistance box in use at H. K. & P. B. Thurber's for 2 "A" Dynamo does not seem to have sufficient power to cut down the intensity of the field of the dynamos in a short space of time, when a portion of the load is turned off.

J. H. Vail, Supt.

Fall River Mass. May 17th. 1882.

M. F. Moore,

We had an accident to one of our machines one night last week, which should have been reported to you but was neglected.

Armature. About nine o'clock one evening when everything seemed running properly, there came a flash at the commutator of the north machine, the same where we had the loose block in the first commutator, and instantly the whole end of the armature seemed enveloped in fire. Davis jumped and shut off the engine and when he had nearly stopped, the flames subsided so he turned on the steam again, and went on to the regular time of closing. When he stopped, he found that the fine wire of brass which is wound around the armature to bind the conductors in place had got loose in the end wrapping, been thrown out by centrifugal force, and wound around the commutator short circuiting the whole business for about two minutes or less until the wire melted off and dropped off.

The machine has run ever since and we have got good light but it does not run as before, troubling us in the same manner the other armature did, heating and sparking. I therefore suppose the accident may have melted the solder at one of the commutator connections, and told my brother to open the end of the canvass covering and see

if he can find anything wrong.

Spencer Borden.

New York May 20th. 1882.

Key of
piston
Rod &
Cross
Head.

The new key which has been fitted in the piston rod & cross-head of the A. & S. engine at E. S. Jaffrey's has commenced to work loose and upwards.

The new key fitted in the piston rod & cross-head at Thurber's has commenced to work upwards.

Fixtures
and
Insulation

does not seem to be well insulated.

One of the double swing brackets at G. W. Childs, Public Ledger Building Philadelphia, was crossed through the insulation being scraped from the wire in inserting it in the pipe.

Fixtures.

Mr. J. C. Wilson now working for R. H. Coleman Cornwall, Pa. reports on 19th. inst. as follows:-

"One of the single swing brackets has had the wires in contact and has become nearly destroyed."

This occurs from the wire not being properly insulated.

Iron Rails
for
Dynamos.

Some time since a complaint was made to Mr. Clarke, and also - Mr. Andrews attention was called to this matter, and he was requested to speak to Mr. Dean. Mr

Edison's attention has also been called to the matter, embraced in the following "viz"- THE WROUGHT IRON RAILS now furnished with "Z" dynamos are too small. The surface is too narrow, and rails are not planed on the surface, and they do not raise the dynamo high enough from the floor to clear the heads of the large screws which bolt the rails to the floor.

The reason this matter is again brought up, is because these rails are very unsatisfactory, and some dynamos which have been delivered during the past week, have been turned over to this Company with the same kind of rails which have before been complained of.

There are some more dynamos due this Company from The Edison Machine Works, and it does not seem right that we should be obliged to take what has not been corrected.

J. H. Vail, Supt.

To

Maj. Eaton,
Vice President.

Respectfully submitted,

J. H. Vail.

Supt.

RECEIVED
MAY 31 1882
ANSWERED

.....
FILE No. *2*.....
.....

DEFECT BOOK REPORT FOR WEEK ENDING MAY 27TH. 1882.

New York May 23rd. 1882.

Bars for
Brush
Holders.

It is reported from Cornwall that the round bars for holding brush holders sent to R. H. Coleman are so short that there is one and a half inches of the inside length of the commutator that cannot possibly be used by any angle obtainable from the brush. This matter has been complained of before.

J. HV aill, Supt.

New York May 27th. 1882.

Face Board
of Dynam

The face board of the dynamo in use at Brooklyn Sugar Refinery shrank to such an extent that the copper plates under the binding posts were slightly disconnected and dropped down so that they were sustained by the bolt holding the binding posts. I think the bolt heads made contact behind and caused a short circuit the one bolt was melted 3-4 through and the face board was very badly burned. The thumb screws in use on the binding posts of face board of Z dynamos are very small in diameter and seem to be made of very poor metal. They were broken at Brooklyn Sugar Refinery recently and have been broken in numerous other places. Complaint has been made about these thumb screws before but the defect has not been remedied. The thumb screws on brush holders

Thumb
Screws.

MAJOR EATON
RECEIVED
JAN 10 1881

used at Brooklyn Sugar Refinery have been broken three different times on account of being too small, and very poor quality of metal.

J. H. Vail, Supt.

Respectfully submitted,

J. H. Vail,
Supt.

To

Major Eaton,
Vice President.

Handwritten notes:
1
J. H. Vail
Supt.
Major Eaton
Vice President

DEFECT BOOK REPORT FOR WEEK ENDING JUNE 3RD. 1882.

May 29th. 1882.

Extra wire
for
resistance
coils.
at Vina del Mar, Chili, writes that two ohms of his re-
sistance coil have given out, and suggests that a supply
of extra wire for such coils be sent with plants to far
off localities.

Respectfully submitted,

J. H. Vail,

Supt.

to

Major Eaton,

Vice President.

Handwritten notes:
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DEFECT BOOK REPORT FOR WEEK ENDING JUNE 10th 1902.

June 4th '02.

M. F. Moore, Esq.

Cord on
Armature.

Dear Sir:- Will you allow me to suggest the use of six cord McKay sewing machine thread in place of the cord now used on the armature. It is many times stronger, about the same size, and having a soft finish will draw closer and absorb shellac better than the fishing line such as gave out on the East Boston armature.

Respectfully,

G. D. Hancock.

June 1st 1902.

Insulating
Compound.

Mr. Rich writes from Havana, that the substance insulating the wires has softened in the warmest part of the shop (90°) but that no difficulty is experienced with the insulation. The iron pipe he remarks, seems to be too thin for a country where iron rusts so quickly underground, and may have to be coated with asphaltum or any other protecting substance.

Commutator
Bars.

Ch. Wustenfeld writes June 7th from Public Printing Office, that two of the commutator bars came loose about two weeks ago. He placed them back in position and drove two small wedges of hard wood wetted first with a thick shellac solution between the bars and the iron ring, and has had no trouble since.

DEFECT BOOK

Holyoke, June 5th '82.

F. S. Hastings, Esq.

Dear Sir:-

The only trouble with The Pemberton Plant was an undue heating about the switch caused by burning the contacts, and around one of the binding posts which was loose through the shrinkage of the switch board.

G. D. Bancroft.

Fall River May: 29th '82.

Maj. S. B. Eaton,

Dear Sir:-

Both my brother and Story disapprove of the New Style Safety Catch Plug with the grooves cut thus:-



It brings the wires at their entrance and exit from the block less than the insurance distance apart, and they have to be separated immediately on leaving each side of the plug. They are hard to work with heavy mains like those at Wamsutta Mills. ---

Spencer Borden.

Respectfully submitted,

J. H. Vail.

Supt.

ToMaj. Eaton,Pres't.

Switch Board

Safety Catch Block.

Open to it
of the
of the

1000 FEB 1882
 1000 FEB 1882
 1000 FEB 1882

DEFECT BOOK REPORT FOR WEEK ENDING JUNE 17TH. 1892.

June 13th. 1892.

Studs
&
Nut. The stud for holding the switch on Z dynamo, seems to be made of rather poor metal, and the nut which screws on the stud also is fitted very tight. This defect was found in the dynamo sent to Merrick Thread Co. Holyoke. The nut fitted so very tight that in screwing it up, it twisted the end of the stud off entirely.

Shellac
Fastening. The twine which holds the canvass round the commutator does not seem to stay in position for any length of time. It often gets loose and the ends come off. I would suggest that instead of fastening it with shellac it be fastened with sealing wax or something of a similar character. Sewing machine thread has also been suggested.

Armature. I have heard of difficulties with several different armatures, which are built with the new style connections between wires and commutator bars. I think some of this trouble is due to the expansion of the metal under the housing, the solder melting and making contact between two or more sections.

Eye bolt. The iron eye bolt which is put in the cross piece of the Z dynamo, does not seem to have sufficient strength to lift the magnets at an angle. We have had

two or three of these eye bolts broken in this way and would suggest that in forging, they have a shoulder forged below the eye of the bolt, so that when they are screwed on the cross piece, they will come down tight on the shoulder, and thus give more strength to withstand the strain. As they are now, the Machine Works may have, some day, a suit for damages for injuring workmen.

J. H. Vail, Supt.

New Haven. June 9th, 1882.

To Edison Electric Light Company,

Switch.

We send you to-day a switch which is out of order. We found it warmed up a day or two since when we went to turn it off at night, and yesterday it became hot enough to make smoke from the board to which it was fastened. We took it off and found that the wood was so charred that the screws had let go their hold. We plugged the holes and put the switch together again, but found that the springs did not operate to throw out and on. Taking apart a switch which was in good order we found the trouble was in the fact that the piece of wood which takes the recoil of the springs had become detached from the rest of the wood, the glue giving out. Now this switch has been loose for some time and to break connections we have pushed it back, (the springs not

acting perfectly) but no heat has been developed until within a day or two. Now, all our lamp sockets are switch sockets and these large switches are not a necessity, but are quite a convenience, but if they are liable to act as this one has done we might have fire some day. You will see on examination, how much heat has been about this. If in your opinion it would be best to dispense with the large switches, please say so or otherwise please repair and return this one and oblige,

Yours truly,

Sperry & Barnes.

Mr. Rich writes from Havana, May 29th. 1882. - On Magnets. setting up the dynamo it was found that the magnets were demagnetised and considerable trouble was experienced in recharging them, and it taking several hours for each. No. 190, which runs the Lourve actually refused to be charged by any rules or plans set forth in your book of instructions. At last I succeeded in charging it as shown by sketch from L to R wired to Louvre.

This machine has been running from the first start May 12th. to the present time 5 hours per night without interruption the brushes have not been touched, nor does it show a spark from them during this time. I wish I could say as much for No. 175 which runs the worst. This machine is charged in the usual way. running from

no. [illegible] cables
to no. 400 & 410
cables

R to L and behaves very naughty, the brushes requiring constant attention to keep them from sparking and cutting up the commutator. Mr. Edison can probably explain the cause, and any instructions on this point would be thankfully received.--

*Lamps. 25
3.12.1882
Supt. [illegible]
[illegible]*

Mr. Rich also says that lamps at the Works have not been so fortunate; there have not been any exploded but generally the carbon breaks about 1-8 of an inch from the electric plating, two have been broken at the end of the carbon, and some have bursted the inner tube. The number of hours that they have been in use is on record and will be sent to you when we work long enough to make a proper average.

June 17th. 1882.

Switches. The switches at Everett Hotel have been repaired from time to time, and I have finally been obliged to remove them on account of their not making good contact when the lights were turned on. This poor contact in the switches created so much heat as to burn the wood to some considerable extent. We have replaced those with new switches.

Respectfully submitted,

J. H. Vail, Supt.

To Major S. B. Eaton.
President.

DEFECT BOOK REPORT FOR WEEK ENDING JULY 8TH. 1882.

June 26th. 1882.

Extract from letter of W.N. Stewart, Santiago, Chili.

Insulating Compound. "From experiments made by Mr. Kendall, it is evident that the insulating compound used in the electric tubes will not bear shipment through the tropics without melting, as tubes will often be exposed to the sun for hours at the Isthmus. A short exposure here caused the compound to run like water.

(The above defect has already been cured).

New York. July 7th. 1882.

Safety Plug. Further experience with the new style safety plug leads me to the conclusion that it is not absolutely safe in all cases. I think that a plug made similar to the sketch herewith would overcome the difficulty.

*(See page 3).

Safety Cut Out. From recent experience with new style of safety cut outs I do not think the insulation between the contact pieces is sufficient in thickness or of a suitable material. If possible, this material should be both fire and water proof.

Leading Wire. I have noticed in a great many of the Z dynamos, that the wire leading from the brush holders to the binding posts, became very hot when carrying the full load of lamps.

Oil Cup. The glass oil cup provided for the journals of the

Z and K dynamos are not of a suitable pattern, and require constant attendance to insure their satisfactory operation.

J. H. Vail, Supt.

Philadelphia. July 6th. 1882.

M. F. Moore, Esq.

Since you were here last the lead wire safety catch in the composing room of The Ledger, has twice melted off.

The second time I was around, and instead of replacing the lead wire I put in four lengths of No. 16 wire which is equal to one No. 10 wire. This was on June 17th. and it ran until last Tuesday night when the whole switch was burned out, that is, the wooden back was pretty well carbonized.

Safety
Catch.

Mr. Rowan was here when the switch was noticed, and he immediately took it off and put on another switch, same size, and put in the same four strands of No. 16 wire which were in when the other switch burned out. This ran until Wednesday when I put in a piece of No. 10.

The binding screws have small heads, and do not hold the wire very firmly. From all I can learn, the switch carried the current without heating until Tuesday, when it went all at once.

Before I put in copper wire the switch was always hot but since then it was always cool until it burned.

RECEIVED
JAN 10 1918
U.S. DEPARTMENT OF THE ARMY
OFFICE OF THE ADJUTANT GENERAL
WASHINGTON, D.C.

A bar of lead made to fit the switch, with ends drilled to take a large binding screw, would insure good contact, it would be better even if the ends of the lead bar were copper plated.

Handwritten notes:
Lead bar
to be
drilled
at
ends
to
fit
screws
on
switch
1-10-18

I think we have more to dread from bad contact, or loose connections, than from any other source, hence I put but few safety catch blocks up in my work, rather trusting to a good splice well soldered, than to a binding screw, especially of lead wire.

Respectfully,

Wilson S. Howell.

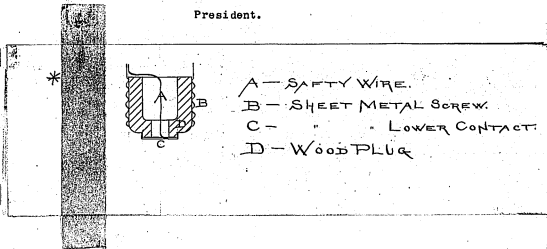
Respectfully submitted,

J. H. Vail, Supt.

To

Major Eaton.

President.



DEFECT BOOK REPORT FOR WEEK ENDING JULY 15TH. 1882.

Philadelphia. July 10th. 1882.

M. F. Moore, Esq.

My room is wired and fixtures set up. My criticism to you on the latter is: that they are an offence to a mechanical eye, neither plumb, level, nor square.

The round headed brass screws of the brackets which fasten them are out of line.

John Hoskin.

Mc.Keesport. June 28th. 1882.

Edison Electric Light Company,

-----We send you by this mail the burned out out box.

It was on a branch from the main line on which there were five cut out boxes. This was the center one of the five. The wires parted in the box with this result. We have put in another box wire connection.

and everything is working right.

The trouble was evidently due to poor connection under the binding screw. J. H. Vail. } National Tube Works Co.

St Johnsbury, Vt. June 29th. 1882.

J. H. Vail, Esq.

-----Tuesday we had a terrific rain storm, tearing down trees and doing considerable damage, among other things that came down was our cable that runs from store and office. The break cannot be laid solely to the storm,

Cable. but in part to the manner in which the work of making the cables was done at the factory. Enclosed I hand you a piece showing how the connections were made. You will notice that instead of making a splice or twist, the two ends were taped together and soldered. The break lies midway between the factory and store a distance of about 75 feet. Had the connection given way when we put the main up it would have resulted perhaps in the injury of some person.

Yours respectfully,

E. H. Brooks.

Respectfully,

J. H. Vail, Supt.

To Major Eaton.
President.

Handwritten notes:
 ✓
 Visit Eaton
 4/10/05

Vertical text on left margin:
 DIRECT BOOK 1880
 No. 2, 1880
 1880-1881

Defect Book Report from July 15th to July 27th 1882.

Havana, Cuba, July 6th '82.

Maj. S. B. Eaton,

There has been no casualties worth mentioning since my last, except on the night of the 3d inst at 10 P.M. the spring of the automatic cut off broke for the fourth time, but by immediately turning on the steam through the governor, there was no interruption of the light either at the works or at the Louvre, thus showing the advantage of the arrangement mentioned in my letter of June 22d.

On the night of the 3d at 8 P.M. one of the 3 lt. chandeliers of the Louvre ceased to burn, caused by the small strip of brass attached to the outside of the copper socket in the ceiling cut out, probably by contraction and expansion as many of the pieces are very slightly soldered, so much so, that they often become detached by even screwing in the plug with the fingers.

This is the second one that has become detached since lighting the Louvre. It might be well to mention the fact to Mr. Bergmann that he may caution his workmen in relation to the foregoing.--

Philadelphia, July 17th '82.

J. H. Vail, Esq.

I send you this day a No. 212 switch

Cut off.
(Nobody)

Ceiling
Cut out
(B. & Co.)

2
Defect Book.

Switch. (improved) which gave out on a 6 lt. chandelier circuit.
(B. & Co.) Fortunately it gave out just as the lamps were turned off and as it was noticed at once no damage was done or any talk made, in fact no one knows of it except the watchman who puts out the lights and Mr. Rowan who took the switch off. Please replace this switch with another one pol. and nickled.

Respectfully, W. S. Howell.

Havana, July 19th '82.

Maj. S. B. Eaton,

---We have recently been making some experiments with our ten light globes. Fifteen lamps were broken in a few nights when it was first started, probably caused by the intense heat generated inside of the globe by so large a number of burning lamps without proper ventilation. Since that time it has been discontinued until recently. By means of holes drilled through the under side of the top ornament we have secured proper ventilation and it has been lighted for the past few nights with pleasing effect, and no lamps have since come to grief.

Globes.
(Lamp Co.)

New York, July 18th 1882.

M. H. Moore, Esq. Gen. Manager,

I have to-day received the "K" dynamo No. 51 from The Edison Machine Works and I must say that it

1018 (10-10-1911) 1018
1018 (10-10-1911) 1018
1018 (10-10-1911) 1018
1018 (10-10-1911) 1018
1018 (10-10-1911) 1018

3
Defect Book.

K Dynamo. is decidedly the worst piece of machinery ever received
(E. M. W.) from there.

The castings of the field magnets are so full of blow holes that in numerous places I could insert a nail from one to two inches. One of the field pieces seemed to have been poured with insufficient metal, some parts of the mould had not been filled, the casting was exceedingly rough on the exposed surface many indentations being full $\frac{3}{8}$ to $\frac{1}{2}$ in. deep; several of the worst ones had been filled with putty.

The boring of the fields was a very poor job, the cuts of the tool are very coarse and very much gouged out in some places. One of the tracks was sent without the bolt holes having been bored.

I have noticed very poor castings on many of the dynamos, but none so bad as the above mentioned.

Respectfully,

J. H. Vail.

To

Maj. S. E. Eaton;

President.

Respectfully submitted,

J. H. Vail,

Supt.

Handwritten notes:
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D. H. Vail
1018

File

DEFECT REPORT FOR WEEK ENDING JULY 29TH, 1882.

Lisbon Falls, Me. July 27th.1882.

J. H. Vail, Esq.

I find that the contact springs in joint of swing brackets are very brittle. About a dozen had been broken in the brackets when I took them down.

J. W. Schroeder.

Extract from letter of Mr Stewart, Santiago, June 23rd.1882.

" I find the small brushes for the small E machines made of very coarse wire. They require constant attention to prevent sparking. Cannot wire of smaller diameter be used?

Also the set screw holding the brass brush holder in place should be steel instead of brass, and larger.

Also the bed plate should have a wider opening to allow a belt pulley the size of the pulley to enter from below as well as above. At Lanz's I had to have a large opening drilled out as his turbine is below the floor of the mill as in many other cases.

New York, July 29th.1882.

I have recently found some resistance boxes in which the German silver wire had become broken on account of the under side of the box having no protection or covering. It being entirely open, if the box is set on anything sharp or jagged the wire is easily broken and often passes unnoticed until the box

burns out on account of too much resistance.

I would recommend that the small size box be protected as follows:- Say about two cleats $\frac{3}{4}$ by 2" nailed equidistant across the bottom, parallel with the spools and the whole bottom covered with strong wire cloth of a medium fine mesh.

A sample box fixed in this manner can be seen at my office at Sixth Avenue.

Large boxes could be protected in a similar manner but the number of cleats should be increased.

J. H. Vail, Supt.

Additional.

New York, July 31st. 1882.

Paraffine cotton covered wire is used for wiring fixtures by Bergmann & Co. The insulation is thin, it is easily cut through by sharp edges and burrs inside of fixtures, resulting in a short circuit.

In very warm rooms the paraffine melts, and leaves the cotton covering loose and still more liable to cutting. This difficulty could easily be remedied by wiring the fixtures with our regular painted cotton insulated wire.

I have recently been obliged to rewire many fixtures in the Herald building on account of this defect.

This subject was discussed in the Defect Book under date of May 20th. Correction was promised but not carried out.

J. H. Vail, Supt.

To Major S. B. Eaton,
President.

Drill

Defect Book Report for Week Ending August 12th. '82.

New York, July 29th, '82.

C. L. Clarke, Esq.

Closing
of Bridge
Boxes.

Some of the bridge boxes were closed by inexperienced hands, and we found two inches of water in them.

(Tube Co)

Yours respectfully,

C. S. Bradley, Inspector.

Lisbon Falls, Me. Aug. 7th, '82

J. H. Vail, Esq.

Dynamo.

The dynamo although it worked well as long as we ran it, was about as tough looking as any I have ever seen, in regard to finish. The wrapping on the magnets, connections, etc. were simply thrown together.

(E. M. W.)

Brass
Arms of
Brush
holders.

Those brass arms to which the brush holders are clamped should be longer to enable us to turn the holders around, where the dynamo runs from L to R and have the brushes clear the cast iron collar on the commutator shell.

(E. M. W.)

I had to put a hard wood washer behind the collar on the arm and then the holder projected over the end of the arm as shown in cut.

W. H. Francis.

Waterville, Me. Aug. 8th. '82.

J. H. Vail, Esq.

Brackets. The steel springs in brackets would break very easily and so fast as they would, I would replace them with brass ones. I found I had considerable trouble with the vulcanized fibre pieces, as the screw that holds the fibre piece fast to the box on fixture, has such small threads on it, that nine out of ten times it would cross threads, and I think if such screw had larger thread it would be an advantage.

(B. & Co)

Jos. Buehler.

Lisbon Falls, Me. Aug. 8th, '82.

J. H. Vail, Esq.

Springs in Brackets. Those steel springs that make the contact inside the cast iron shell on the swinging bracket, have given some trouble by snapping and slipping off the brass rings.

(B. & Co)

Buehler fixed several of them before going away Tuesday, and while I was running the dynamo on Tuesday eye, two or three more snapped, and in two other instances they slipped off the brass rings in one of which the springs crossed on the cast iron and burned the safety wire.

I went over them all yesterday and last night after running about an hour, I went around the mill and every lamp in our circuit was O. K.

Defect Book Report for Week

Ending Aug. 17/82

Woping

Mr. Fabbi reports that he has recd further complaints from South America (he does not state from what Port) about our machine not being boxed strong enough. - He says we must pay more attention to boxing & make our coverings stronger. - Draw I see South American packing Complains of - ~~perhaps we might do it a little~~ things for South America on ~~order~~ of them Lock facilities for Chas. L. Clark Esq. New York Aug 12/82

E. Dynamo

I think it would prove advantageous to put a spring on the end of E. Dynamo shaft as on all dynamos, as there is quite a heavy drag against bearing on commutator end when current is on. - I would also suggest that finer wire be made in the brushes so that they might be a little wider & thinner.

Clark - Delet ~~Wrote~~ Yours truly J. S. Andrews
laugh & rans down this Spring big = pls see him about it

Mr. Stewart writes from Santiago under date of July 14/82

"I must reiterate my caution about brushes for E. Dynamos. - Make them much longer & of finer wire. - I cannot use those sent out. - Have the brush holders removed from the machine before packing. Last one was badly bent."

E. Dynamo
Brushes

Dear ~~Mr~~ Eaton, President
please try & get

Respectfully submitted

(Signed) J. H. Fair
Supt

I as bad brush
does repetition of
machine was damaged
than any other else -

I suggest to make he buy
an electric fan
to do his duty
that the office is not
least

DEFECT BOOK REPORT FOR WEEK ENDING AUGUST 26th 82

Phila. August 26th. 1882.

M. F. Moore, Esq.

Mr. Rowan has again trouble with his composing room switch No. 216. The last one of this size heated on Sunday night. Mr. Howell has fixed it by putting in a copper conductor and a spring from the former one to replace the one we found broken in six pieces and some fragments.

The preceding one burned out opposite one contact plate.

One of the other plates was loose so that it would seem as if the screws became loose in the wood, the bevelled contact plugs forcing the plate on one side would then make an arc etc.--

John Hoskin, Agent.

Fall River, Mass. August 19th 1882.

Major S. B. Eaton:-

Dear Sir:- Knowing that you have a complaint book I beg to have recorded therein my opinion that the "K" dynamos Nos. 51, 52, and 59, sent to the King Philip Mill, are simply disgraceful as the output of any machine shop. The pole pieces are horribly rough castings with blow holes in them and painted over without care being taken to even knock off the scales one of which I enclose taken from No. 59, with my knife within an inch and half of the armature. These loose scales may fly into the armature when the machine starts and produce much mischief. I shall have them all taken off by hand before the machines are started and the bare places so produced repainted.

At the prices we get for these machines they should at

Defect Book.

2

least be good clear castings and I think should be planed.

Yours very truly,

Spencer Borden.

Menlo Park, August 26th. 1882.

Edison
Major Eaton:-

Edison
The switches of the class referred to by you ought
to be withdrawn. I had the same thing occur in my house.
Please talk to Johnson about this. I think it important and so
does he, that they should be withdrawn and proper ones substituted.

Edison
There are not many and the expense would be small. We were
in Everetts the other night and found one hot, and E. H. J. told
Bergmann to change it at his expense.

T. A. Edison.

Regarding the directions given by Mr. Woodbury of the
Boston Insurance Co. to the Germania Mills, to keep on hand a
Siemens Magnetic Tester, Mr. Edison writes to Major Eaton as
follows:-"I do not believe in having a Siemens Magnetic Tester/in.

They might keep a little detector that Clarke would devise
connected to one main and the earth, and thus at all times see
the leakage. The best way is a thorough inspection making it
impossible to have an earth connection.

To Major Eaton, President.

Respectfully submitted,
Signed:- J. H. Vail, Supt.

File

REPORT BOOK REPORT FOR WEEK ENDING SEPT. 2d, 1882.

Mr. W. N. Stewart writes under date of July 21st '82
from Santiago, Chili, as follows:-

Lamps.

"I am having trouble with lamps on Isolated Plants;
the electro plating of the connections proving far from
perfect, in one lamp out of 25 thus far used. These
burn only a few hours.

I find some also with one wire connected to both
poles, and fuse safety catches in consequence. Please
see to this vital point."

Waterville, Me. Aug. 28th '82

J. Borden, Jr:-

Switch.

I would like to make a complaint about one
of the 80 light switches which was put together very bad,
so that I could not get contact. By the use of a file
and about two hours of unceasing labor, I finally got
it in good shape.

Jos. Buchler.

To

Major Eaton,

President.

Respectfully submitted,

J. H. Vail,

Supt.

DEFECT BOOK REPORT FOR WEEK ENDING SEPT. 16th. 1882.

New York Sept. 11th. 1882.

J. H. Vail, Esq.

I have found one flexible cord plug and their S.C. plugs which would not "bottom" on connecting plate so as to form circuit, and have been considerably bothered with crosses in sockets between base of key and short wire leading to bottom connecting plate in socket.

Respectfully

Wilson S. Howall.

New York Sept. 14th. 1882.

The rod which is inserted in the brush holder yoke is not stout enough to hold the handle, and will not stand the strain which is necessary to put upon it to adjust the brushes?

There is scarcely a dynamo we put up but what this rod is broken. It should not be less than half inch in diameter and should be attached in a very strong manner.

There is a great deal of difficulty and delay experienced in the large dynamos not being furnished with suitable wrenches which will fit the nuts and screws that are mostly used while the dynamos are in operation. I think that one wrench could be made with all openings that would be necessary for a dynamo.

J. H. Vail, Sup't

Sept. 14th. 1882.

On the "K" and "L" dynamos sent to the Mechanics Exposition at Boston, I found that the brush holder bars were too short to conveniently retain the two brush holders in the proper

2
Defect Report.

position and also to allow the brushes to come in a correct position on the commutator.

J. H. Vail, Sup't

New York Sept. 15th. 1882.

Some few lamps that have been recently received from the Lamp Company, have been found with the two wires connected to one pole of the socket, or else with the wires bent in such a way that they make a short circuit after leaving the contact pieces of the socket,

J. H. Vail, Sup't

Winsted Conn. Sept. 13th. 1882.

J. H. Vail, Esq.

One lamp gave out within one hour after starting and another had the wires connected in the socket and caused a short circuit which melted out the safety plug.

Yours respectfully,

J. W. Shroeder.

San Francisco, Sept. 7th. 1882.

M. F. Moore, Esq.

--- I examined the plant on the Steamer "Queen of the Pacific". It worked well on the voyage except that a few lamps failed. We found most of the trouble in the sockets where the wire was soldered to the brass, and in one fixture the insulation of the wire was abraded by drawing through the pipe the hole of which was too small.

They also had considerable heating of the armature.

Defect Report.

We are putting in four additional lamps in the main saloon. I think they would have been better pleased with "A" lamps. The "B" lamps do not have much chance behind those heavy ground shades.

The brass wire wrappings of our extra armature had all to be renewed. The ~~soldering~~ acid had eaten them off in several places so that the loose ends were flying in all directions.

Yours truly,

Geo. S. Ladd.

New York Sept. 16th. 1892.

Mr. J. W. Schroeder who is in charge of the plant at New England Pin Company where we are using 10 c.p. "A" lamps, reports that under the action of the current, the carbons of some of the lamps twist together and thus produce a short circuit, burning the carbons off instantly, and also the safety plug which controls the lamp.

J. H. Vail, Sup't

To

Major, Eaton,

President,

Respectfully submitted,

J. H. Vail

Sup't.

STILL UNDERWAY
 THIS IS THE ONLY
 COPY OF THE DOCUMENT

Defect Book Report for week ending October 7th. 1882.

Fall River, Mass. Sept. 28th. 1882.

M. F. Moore, Esq.

To come back to our old subject, the eighty light switches. At Wamsutta besides the bad one repaired twice and still no good, which we sent back to New York, one other burnt out the lead wire and had to be repaired. At the Slater one eighty light switch tore down before it would make contact, then had to be fastened to the brick wall. Even after considerable tinkering it would not work the first night, but next day was repaired and since has given no trouble. At Lockwood in one eighty light switch the tapering plugs struck the wood before they made contact. The switch had to be taken apart and wood cut away; then it was all right. At King Philip one of same size gets very hot; it must be investigated.

(Signed) Spencer Borden.

Boston, Sept. 30 th. 1882.

M. F. Moore, Esq.

The lamps sent to the various jobs vary extremely in size. (of globe) and shape; some are nearly the size of a Maxim lamp while others are drawn out into a long cylinder. No complaint was made on this point, but to an observer the effect of the irregularity of shipment is very unpleasant. Moreover our lamps are side by side with the Maxim in the Worumba, which for good workmanship (mechanical) and regularity in size and shape cannot

be surpassed.

(Signed) Sidney B. Paine.

New York, Sept. 30th. 1882.

I have a great many complaints from parties who are using the new "K" and "L" dynamo, that the journals heat excessively. There is also complaint that the oil cups which are now used on dynamos are not of good pattern, and do not feed the oil regularly, or in the desired quantities. There is now in use on dynamos at Mechanic's Fair in Boston, oilers of a new pattern which have been found very desirable. An illustrated cut of this oiler is transmitted herewith. The Lubricator referred to is manufactured by the New England Gauge Co., Boston, Mass.

(Signed) J. H. Vail, Supt.

Winsted, Sept. 22nd. 1882.

J. H. Vail, Esq. Supt.

I send to you a cut out which is defective in its connections. You will find that it is so connected that the circuit is always closed whether a plug is inserted or not. It got us into serious difficulty at the New England Pin Co. The socket was not connected to the drop, and the wires were twisted around it to keep them out of the way. As we lighted the lamps on that circuit wires on this cut out burned up at once, ^{the} fire setting to the ceiling and filling the room with smoke. Had the lamp been connected the defect would probably not have been

noticed, until by accident the wires would have come together which would have caused a short circuit, the result being the same as this morning. Mr. Southworth kept Mr. Whitmore away until we had the room cleaned from smoke, the spot plained from the ceiling, and the wires replaced, and thus kept it from his knowledge.

(Signed) J. W. Schroeder.

Respectfully submitted,

J. H. Vail,

Superintendent.

*Edison
Bergmann
24*

* The following, giving an account of the fire is omitted from all copies of this week's Defect Report that are sent out, except the copies sent to Mr. Edison and Bergmann & Co.

Defect Book Report for Week ending October 14th, 1882.

W. N. Stewart
Extract from a letter of W. N. Stewart to Ed. Kendall & Co. dated Santiago, July 31st., re switches on Steamer "Queen of the Pacific":-

"The three large switches controlling staterooms fore and aft and the main saloon, would not make contact. I found the steel springs overtamped and broken. It being late on Saturday afternoon, I could not get new ones made on shore therefore had to change the connections so that the current could pass leaving the lights to be lighted and extinguished by the keys attached to each lamp. Repairs can be made in San Francisco.

Switches:
B. & Co.

"The switches must be improved in construction as they have already given me trouble".

Lawrence, Mass. Oct. 9th, 1882.

J. H. Vail, Esq. Supt.

Armature:
E. M. W.

I have examined the armature that caused the trouble at the Pemberton Mill. I found the insulation between the collar and the commutator had several small holes which extended a short distance between the segments of the commutator. It is very probable that these holes were filled with copper dust or some other conducting material and caused a short circuit which remained and caused those "rings of fire" spoken of by the engineer until they were thrown out by

the rapid motion of the armature. The segments of the commutator are a little higher than the commutator collar; by turning the commutator off to a level with the collar these holes might be removed and further sparking obviated. The insulation too, of the segments of the commutator in which the trouble occurred is very small and that brings the segments very close together.

(signed) J. W. Schroeder.

October 13th, 1892.

I am running two "L" dynamos at Record backwards from left to right and cannot keep the brush-holders stiff on the Rocker Arm Stud because Stud is too short.

I was confronted at Elysville with a common cause of complaint, "why don't Edison put a tight and loose pulley on his dynamo?"

The "L" dynamo now set up at Baltimore Sun, is O.K. In all things, save only that one of the bolts holding the pole piece of one magnet will not enter the pole piece by 1/32. Bolts are in snug all other bolts fit, pole pieces are in their places, but half a day spent on that one bolt resulted in disappointment and failure.

On same dynamo one of the sockets for the forcing screws (belt tightener) had no holes in it for lag screws. I had it done outside.

I have a number of ceiling cut out blocks which I consider unfit for use. I will make special reference

Stud at
Brush-
holder.
E. M. W.

Pulley.
E. M. W.

Bolts:
E. M. W.

Sockets.
E. M. W.

Ceiling
cut outs.
R. & Co.

to them when I return them.

(signed) W. S. Howell.

Holyoke, Mass. October 11th, 1882.

M. E. Moore, Esq.

At the installation of the Z B plant at the Whiting Paper Co's No. 2 Mill, I have observed certain faults of which I think you ought to be advised.

On opening the armature I found a crescent shaped indentation on the commutator evidently made long since by a hammer. I judge that it was an old injury from its dark and discolored condition.

The end of the Spring which is usually turned over the outer end of the milled brush-adjusting screw straightened out allowing the brush on one side to strike the commutator intermittently, and so heat and melt the solder. I would suggest that this end be carried through a washer and braded over or soldered thereto. The latter could be done without drawing the temper of the Spring if the slightest precautions were taken.

The new armature for the machines was sent out devoid of one course of tie wires and others in such condition that they had to be resoldered.
(signed) George D. Bancroft.

To

Respectfully submitted,

Major S. B. Eaton,
Vice President.

J. H. Vail,
Superintendent.

Commutator.
E. M. W.

Spring.
E. M. W.

Armature.
E. M. W.

DEFECT REPORT FOR WEEK ENDING OCTOBER 21st. 1882.

1. The following complaints are made regarding the Slater Cotton Company's plant.

FIRST. "With regard to the machine; on unpacking it we found the switch post broken short off between the handle and the nut, exposing some of the poorest metal it was ever my good fortune to see. Copper was evidently very economically used in it's manufacture, and it was too brittle to stand the strain. The screws in the binding post are entirely too small; there is ample metal in the binding post to allow for good, large screws which are required to get good pressure and with it good contact."

SECOND. "The resistance box was incomplete, being minus the washer under the lever."

2. The following written report has been made touching the accident at Jaffray's, Oct. 14th.

FIRST. "The wire binding on the armature of one "Z" dynamo came loose while the dynamo was running; it caught between the field magnet and the armature and making contact with the latter burnt it out."

SECOND. "The canvas housing or covering on the other armature came off."

"Other armatures were promptly put in both dynamos."

Dynamo.

*difficult
to get the
Copper
Screws
in
Binding
post.*

*Specimen of
Resistance
Box.
Suspect*

*Both
wires
Armature.*

Tube
Compound.

3. Mr. G. S. Bradley suggests that some attention should be given to some points in connection with the Electric Tube Co's compound. He says that if there is the least free carbon in it there is danger of more accumulating and thus making ground connections. An instance in point occurred on the Second of October at the American Heating and Power Co's place, where the tape and compound became charred making a ground in the system. MR Bradley thinks that most of our unknown troubles are caused by carbon; the compound gets burned on the bottom of the kettle to the thickness of two inches or more thus forming carbon. He suggests that it be heated by steam or in a bath. Mr. Bradley thinks that the compound contained in old boxes taken up from the street should not be used, as there is always more or less burned pasteboard in it, besides compound which has had flame directly upon it. Straining the compound does not at all help the matter, because fine particles of carbon will pass through the smallest strainer, and will carry current. If they carry current accumulations will take place and this means danger of making ground connections. He says it might be said that if tests were good there could be no such thing as a continuous conductor of carbon, but the compound does not stay in one position, but is liable to surprising changes.

King

4. The following complaint dated October 15th. has been received regarding the Philadelphia Record plant.

"The brass rods to which the brush holders are fastened are too short to have the inside brushes keep a good bearing; the reason of this is that the dynamos are running from left to right and brush holders being turned in opposite direction to the way they were intended, the movable part of the holder is only bearing on the rod about $\frac{3}{8}$ of an inch instead of passing all the way through. As they are now there is nearly $\frac{3}{4}$ of an inch of the commutator towards the armature on which the brushes cannot be brought to bear at all, and as the brushes cannot be shifted the commutator is liable to wear in ridges. To remedy this the rods should measure $8 \frac{3}{4}$ " front the shoulder which meets the fiber washer, or have an extreme length of $10 \frac{3}{4}$ " inches."

5. The following item relates to the Pemberton Mills plant, Lawrence.

"I had the armature at the Pemberton Mill turned off this morning. The holes between the sections still remain; when I started it they short circuited and for a moment there was a ring of fire around the commutator. The only remedy for this is to have the armature sent to the machine Shop, and have the sections properly insulated."

Brush
holder
rod.

*Alford's
Complaint*

Armature.

Microfilm copy
of
original document

"They are now running very well but as the short circuiting is liable to take place at any time, it would be safer to send a new armature and have this one repaired. 5

6

New York, October 16th. 1882.

"There is much difficulty experienced in the lack of regularity and uniformity of sizes between the safety plugs, the wall and ceiling cut-outs and the sockets.

Safety Plugs.
Wall Cut-outs.
Ceiling Cut-outs.

There are a great many occasions where the lamps do not bottom and make perfect contact in the sockets, and there are also a great many occasions where safety plugs or attachment plugs will not make perfect connections.

Both Hergmann & Co. and the Lamp Co. state that they make their manufacture according to standard gauges, but there is evidently something wrong somewhere between them."

7

"Numerous complaints have recently come to hand relative to inefficiency of the wires binding "Z" armatures. In starting the dynamo at the Whiting Paper Company's Mill, three or four courses of the wires broke, and the machine was totally disabled necessitating sending a new armature by passenger train from New York.

Tie wires.

When this second armature was received it was found that several courses of the tie wires were in such a bad condition as to necessitate resoldering. The same condi-

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tion existed with the armature of the yacht "Mamouna",
and had to be repaired in mid ocean.

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DEFECT BOOK REPORT FOR WEEK ENDING OCTOBER 22th. 1892.

Lamp Sockets
A short circuit in a lamp socket at Alberton Mills burned out a three light plug, and Gary was at once frightened and declared that the plugs must be covered with a tight metal cap before current is turned into the winding, spinning or picker rooms, and I most respectfully request that you have some device made to prevent the flash of a fused plug from igniting cotton dust or lint.

32 E.P. Lamps
32 "candle" A lamps all are off at clamps in a short time. This occurred at Record, Ledger and Baltimore Sun.

Safe
The narrow tape made by Tube Co. is too wide to tape Nos. 10, 18 or 20 wire smoothly unless it is split. Mr. Krousi knows just what is wanted, and he can furnish it easily.

Rail of dynamo
The center rail on dynamo sent to Alberton Mills was badly warped. It was bowed in the middle $\frac{1}{4}$ out of lines with the ends. This was not a serious bug, but it caused unpleasant comment, and gives cause for complaint.

The following letter is from Winsted.

Lamp Sockets
There is a serious defect in your lamps or their attachments. They fall off from the pipe and of course break.

We find on all Z, K and J dynamos that the brush holder bars

are too short to use when the dynamo is run from left to right:

*Brush
holder base*

A great many brush holders are not well fitted and cause the brushes to make contact out of line.

Two of the great difficulties we have to contend with

*Brass
Metal*

are poor work and rotten metal in all brass parts.

The D.R. armature which was sent to G. P. Ide Bruce & Co. Troy, N. Y. had the commutator $\frac{1}{16}$ of an inch out of true from the journal of the shaft. This commutator had to be turned down in Troy.

Commutator

On L and K dynamos which have been sent to Philadelphia Pa. and Baltimore, Md. the contact plates of the circuit breakers do not seem to be firmly screwed to the switch board and become loosened by use.

*Circuit
Breaker
on Dynamo*

The No. 210 switches furnished by Bergmann & Co. are so imperfect in their general construction that it has been deemed advisable not to use them until a better switch can be supplied.

Switches

The wooden ring on the improved socket of Bergmann & Co. was ill with moisture and get so tight fitted that it is impossible on the same socket to get it loose so as to connect the poles of the circuit. If this ring was made of some other substance than wood so that it would not be affected by the moisture, it would be

*Improved
Socket*

a great advantage.

Armatures

Five armatures have given out in the New England Department within a few days. As early as possible an itemized statement will be made of each case. The armatures are located as follows, viz., Pemberton Mills, one L A; the Boston Rubber Shoe Company, one Z A; the Fall River Station, one Z A; Institute Fair, one K A; also one armature at Sayles & Washburne, Mechanicsville, Conn. In all of these cases the trouble is with the commutators, except possibly the Fall River plant. The commutator bars seem spread and the current burns through to the iron axle.

Field Magnets

The field magnets of a good many of the dynamos sent out are said to be grounded. For instance one K dynamo at the Wamsutta Mills is grounded; one K dynamo at the Institute Fair in Boston was so badly grounded that the field wire burned off; and the K dynamo with the Lockwood Co. at Waterville Me., is also grounded.

These five armatures, when they are returned to New York City, also the field magnets which gave out at the Institute Fair, should be thoroughly inspected with a view to ascertaining just what the trouble was.

New South

Several inspections of installations of this Company have recently been made by Mr. R. S. Osborn of the New York Board of Fire Underwriters.

He has required that a safety catch be located on the lines, and also at the immediate entrance to each fixture. This he claims is required by the Board of Underwriters, on account of the safety catch being omitted from the newest improved sockets which are manufactured by Bergmann & Co. If the omission of this safety catch from the socket is going to cause the necessity of putting an extra safety catch to each fixture, ~~as~~ in addition to what is ordinarily done it would be better that the safety catch be put in the socket, on account of its being much cheaper.

This matter will be discussed at a meeting to be held at an early date, where the Board of Underwriters and representatives from our Company will both be present. Meantime, perhaps no change had better be made. The subject is mentioned now not so much to make a complaint of it as to keep it before our eyes.

J. A. [Signature]

President

DEFECT BOOK REPORT FOR WEEK ENDING NOVEMBER 4th. 1882.

Extract from a letter from Messrs. Ed^dKendall & Co. to Messrs. Fabbri & Chauncey, dated Santiago, September 15th. 1882:

"Mr Lanz had the commutator bars of his E dynamo entirely worn through, which we replaced by Mr. Beckett filing down copper bars to fit. Valdez & CO! complain that they cannot get their's to work, necessitating the constant attention of a man while it is running, the brushes slip so constantly and cause considerable sparks. They give one the idea of being pretty but expensive toys. Not being satisfied they have neither of them paid for the machines, accessories or labor. We could not recommend any more of these as they are undoubtedly troublesome, and from requiring constant attention of a mechanic are not economical."

"E"
Dynamo.

Attachment
Plugs.

Improved attachment plugs furnished by Bergmann & Co. do not seem to have the contact pieces of the two poles sufficiently insulated. One of these plugs was very badly burned at the Herald Building.

Insulation B
Between
Commutator
Bars.

Complaint has been made that the mica insulation between the commutator bars is put in with some kind of paste or cement which when carbonized forms a short circuit between the bars, also loosening the bars

themselves. Several complaints have recently come to hand where the bars have become loose without any reason being assigned.

Insulation
Between
Commutator
Bars.

It has been suggested that the wires surrounding the magnets be continuous or in one piece. In several instances splices have been found in these wires where the soldering has been imperfect; and it is surmised that the difficulty with the K dynamo at the Boston Fair was due to the above cause.

The following extract is taken from a letter from Mr. Stewart, dated Santiago, Chili, September 6th. Some of the subjects discussed are hardly pertinent to the Defect Book, but nevertheless I put the entire extract in as it comes:-

"E"
Dynamo.

"Since my last I have spent some time in the South of Chili, at Bulnes and Concepcion. At the former place I started in the Flouring mill of Valdes Bros. the last 15 light machine. The wiring was completed for A lamps and B lamps in series before the arrival of the machine, which when unpacked proved to have a B armature instead of an A, necessitating the alteration of the wiring in many cases. The machine was ordered and invoiced as for A lamps. the machine started success-

fully (if constant^{ly} watched) but has since failed and is not now running. I had previously found out the defects mentioned in your letter in the machine of Lanz and that of the University, and do not care to see any more of them. Mr. Jehl highly recommended them to me as "a perfect daisy", but the fact is patent that none but experts can run them by constant attention. The one at Lanz's mill, Linderos, 20 miles from here ran seven weeks, 14 hours daily, when the commutator wore out and Mr. Beckett with infinite pains has made another from poor materials and without special tools. We may keep this machine going by a constant change of commutators. The other will have to be replaced. See my report to Mr. Kendall. If you could make a satisfactory machine of that type to carry 30 B lamps, we could sell 100 of them. The amount of power required is no object. I find very long brushes of fine wire an advantage, but the sparking is very hard to obviate. I have twelve orders for these machines on hand, but decline to fill them at present. Remember Chilians millers are not American mechanics."

The lamps which have been furnished by the Lamp Co. for several weeks back have been of very poor quality, give very short life, and are the subject of

numerous complaints, as follows:

E. S. Jaffray & Co. say, "The lamps which you sent us a few days ago are no good, they break very quickly."

H. K. & F. B. Thurber say, "What is the matter with the lamps you recently sent us, they are continually giving out, no life at all."

Lamps
Short Life
of.

Everett's Hotel, 84 Chatham St. ask, "Why don't you send us as good lamps as you formerly did."

Sayles & Washburn write, "We send you 25 lamps which all broke very shortly after they were put in. Please send us good lamps in exchange."

Thurber's--East Moorestown, write for 25 lamps and reply--"Why don't you send us lamps suitable for our machine, those you sent us break right away."

Worumbo Manufacturing Co. say, "Your lamps don't last any time at all, the Maxim lamps do much better."

The following is a report of breakages at the

Herald Building, for some weeks back.

		Average lamps in use.				
		8P.M.	1 A.M.	7 A.M.	Breakage.	
Lamps,	Hours in operation.					
	16	Nov. 3, 289	354	194	11	
	16	2	271	362	185	11
short life	16	Oct. 28	306	339	184	17
of.	16	" 27	298	311	188	8
	16	" 25	320	382	184	7
	16	" 23	298	389	171	12
	16	" 19	289	367	161	11
	16	" 18	293	399	186	6
	16	" 17	291	387	218	6
	16	" 16	310	332	202	10
	16	" 15	263	358	172	4
	16	" 14	438	435	188	5
	16	" 13	264	355	168	16
	16	" 12	304	391	182	18
	16	" 10	309	392	230	9
	16	"	390	429	225	18
	16	" 8	258	360	196	20
	16	" 5	284	381	202	13
	16	" 4	357	396	194	14

Total days recorded.-----19

Number of hours in operation each day-----16

	lamps	nights	
Total lamps 8 P.M.-	5,832 ÷	19	--gen'l average 307
Total lamps 1 A.M.-	7,119 ÷	19	-- " " 374
Total lamps 7 A.M. -	3,630 ÷	19	-- " " 191
General average in operation all night--			
	$307 \times 374 \times 191 =$	$872 \div 3 =$	291
Total breakages for 19 nights = $216 \div 19 =$ per night 11.5			
Average lamps in use-- $291 \times 16 =$ 4656--1 L			
$4656 \div 11.5 =$ Average life in hours-----449			

Brushes for K and L dynamos.

It has been noticed in numerous instances that the brushes which are shipped with the L and K dynamos are not packed, so as to secure their safe transportation. It is said that there is certainly room for improvement in the manufacture of these brushes, and they also need some plan to keep them in better shape, as they are now provided, they can only be used for a short time, and besides that they are made in such a delicate manner that the least touch on the end of the wires frays them up, and puts them in bad order. It is suggested that as they are very expensive, something should be done which will remedy this matter.

One of our agents states that facts have recently come to his notice which lead him to believe, that the insulation we are now using on our copper wire is not

DEFECT BOOK REPORT FOR WEEK ENDING NOVEMBER 11th. 1882.

Switch. A No. 212 switch placed in composing room of Public Ledger became very hot on night of 5th. inst. The spring for expanding the cone was broken. The wood shrunk so that the two contact plates were not concentric with the plug.

Tie wire on armature. Some trouble occurred with the dynamo at the Merrick Company's No. 3 Mill a few days ago. One of the tie wires on the armature had unwound, but fortunately broke off and cleared itself without injuring the armature. Our agent, who was called in, resoldered it all around.

Brushes on "Z" dynamo. An extra brush and holder have been put on each side of the commutator of the dynamo at Messrs. Sayles & Washburn's and an insulated No. 5 wire run in connection with the wire on either brush to the switch board. The machine was then connected and ran about an hour and a quarter with a load of 132 B lamps. During this time no trouble was experienced with the brushes, either from heating or sparking. The wires leading from the brushes to the switch board ran perfectly cool.

100057 Non-Transp

Corrugated shades.

Mr. Mowry of the Slater Cotton Company, complains of the corrugated shades and would like them changed. The opinion is frequently expressed that any corrugation is a disadvantage. The shade is better plain and dead white underneath.

The Amory Mills also complain of these shades.

Lamps.

In one of the lamps broken at Worumba, the wires connecting the socket with the carbon came in contact with each other, and caused a short circuit after the lamp had burned eighteen hours. This thing has occurred three or four times within a short period.

Soldering of joints.

The following is an extract from a letter from Mr. Stewart, Santiago, Chili, dated September 21st. It is an old story and has already had attention, but I nevertheless insert the item:
"Look out for bad connections in the soldering of joints, in the construction of safety catches, and in the sockets. I have had trouble from these sources, and sometimes the most careful testing will not locate the fault."

Report on Z dynamo at Mechanicsville, Conn. The wires leading from brushes to switch board have been

Approved
24th Feb
1914

Leading
wires.

found incapable of carrying current without excessive heating. This matter has been remedied. It is suggested that we use larger leading wires and wider brushes, or the use of two brushes on each side of the commutator.

Armatures.

All of the following armatures (mentioned two weeks ago) were taken out on account of bad insulation between the bars of the commutators:
One K-A From Wamsutta Mills.
One L-A From Pemberton Mills.
One K-A From Mechanics Fair.

Switch
lever.

The stud which holds the switch lever on the Z dynamo sent to Knabe & Co. gave out. The cast brass stud had a flaw in it, and parted when being put up. The end of the switch lever which is threaded for the wooden handle to screw on is also too weak, its broken cast brass stud being too small in diameter, and also because the metal is of exceedingly poor quality. This complaint applies to other dynamos as well as to this particular one.

In regard to the short life of lamps at the Alberton Mills. There are 235 lamps in use. The Mills Co.

Special Agent
without

Lamps,
short life

of.
John B. ...

are entirely satisfied with everything except the break-
age. The daily run is less than three hours; the
breakages are from two to three lamps per day. If
this continues it is serious.

J. B. ...

President.

DEFECT BOOK REPORT FOR WEEK ENDING NOVEMBER 18th. 1882.

Manchester, N. H. November 15th. 1882.

It is found that over two thirds of the broken lamps in the plant at the Amory Co. are caused by the breakage of the small ~~xxx~~ glass tube in the center of the lamp, leaving the carbon in many cases unbroken.

Lamps
and
sockets.

A number of lamps exploded the moment the current was turned on, and others would turn red only, and after a few minutes explode breaking the glass into atoms.

There are a number of sockets in which the small wire has given out; these can be repaired. There are 250 lamps in this plant, and a few mornings since there were only 206 left burning on account of broken lamps and sockets.

Lamp
globes.

The Worumbo Manufacturing Company complain that lamps recently received are very irregular in size of globes, and state that the large globes will not pass between the frame and harness of looms. They state that it is important to have ~~xxxxx~~ globes of uniform and medium size.

The following is the life of 50 new lamps which were sent to the Worumbo Manufacturing Company on the

see the 7th. inst.:-

Life of lamps.	2-99 hours	5-28 hours	2-16 hours	12-15 hours.
	1- 8 hours	4-25 hours	4-18 hours	Average life
	1-45 hours	7-24 hours	1-56 hours	about
	8-27 hours	2-17 hours	1-73 hours.	90 hours.

AM
President.

DEFECT BOOK REPORT FOR WEEK ENDING NOVEMBER 25th. 1892.

Lamps.

Daniel F. Beatty writing under date of November 20th says, "We regret to complain about lamps again, but shall have to as lamps put in on November 14th. are already burning out. They are playing out at the rate of two or three every night."

Lamps.

The "Record" has broken in composing room, mail room stereotype foundry, and proof readers room, 64 lamps out of 102 from October 5th. to November 13th. 360 hours. This is the only place where any record has been kept.

Brush
holder
stud.

The dynamos revolve from left to right making it necessary to reverse the brush-holders, consequently they do not fit well upon the stud which holds them, they overhang at the end, and are loose; if the studs were 1 1-2 inch longer they would be firmer.

Lamps.

Our agent went to Lenni to put a lamp in order; he found the trouble in the lamp; it did not make contact on bottom plate: Another lamp in same socket worked all right.

Mr Johnston writes as follows, from Chicago, November 15th. 1892.

"There are some features in the A & S engines to which I would like to call your attention as being very

defective.

In the $6\frac{1}{2}$ by 8 engine, No. 25, we have been compelled to remove the bolt in cross head twice, also the strap bolts in connecting rod, and this has been our experience with all engines we have had.

This method of finishing the wrist pin I consider very faulty, and by no means to be compared with the locomotive practice of casting this part of the cross head and finishing by hand. Of course it is cheaper, but it is certainly not so efficient.

Engines.

Again the connecting rod is arranged as to lengthen when the keys are driven, thus reducing the clearance at back and until finally the piston strikes the head; then the head must either be faced off or a thick gasket be put under, as we did with our $9\frac{1}{2}$ by 12 engine, No. 28.

The strap bolts mentioned before are either so soft, or the straps are so thin that there is no surface to key against, and you will see that this bolt must stand all the thrust of the key.

It has got so now that if there is any thump in these engines, I have the rod taken down and invariably find that the bushing has got loose.

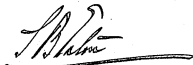
In the B engine No. 34, $8\frac{1}{2}$ by 10, about which I had occasion to write you sometime ago, we had considerable trouble the third day after we started by the bursting of one of the crank discs through the key seat; this I

think was due to too tight fitting, the metal being overstrained in the shrinking could not stand a heavy strain due to the centrifugal force of the counter balance, and of course parted in the weakest place.

The B engine No. 36 was in miserable condition when received; in fact we were compelled to put a new key through cross head and piston rod, also new bolt through bushing, and really we had to overhaul all this portion of the engine. This engine did not run over fifteen minutes before we discovered these faults. Of course the plant had to be stopped and the engine sent to the shop for repairs, which caused us a delay of one day.

This trouble cannot be laid to our people because we employ two of the best mechanics in Chicago and pay them liberally for their services, and besides I have always watched these engines as carefully as possible myself.

I call your attention to these things because I imagine you want to know just how these things are turning out with us! X E X X



President.

Engines.

1
100-1000
100-1000

DEFECT BOOK REPORT FOR WEEK ENDING DECEMBER 2nd. 1882.

Shape of
Lamp
Globes.

Numerous complaints are being made of the great difference in the size and shape of the lamps. Some are long and pear shaped and others are almost spherical in form. Aside from the matter of appearance it has caused great inconvenience in some places where it has been found necessary to move the lamps in a space which would just accommodate the smaller ones, and where putting in the larger ones has caused breakage.

Armature
of the
E dynamo.

The Western Edison Company writes as follows:

The commutator of the E dynamo installed at the Norton Flouring Mills in this City sparked so badly as to cut entirely through the commutator bars. We did our best to stop this trouble without success.

We had the armature in the E dynamo in the Taylor Mill at Ludington taken out and replaced it with another. Have just received the repaired armature back from the shops and now propose putting it up in connection with our plant at office, running it with the utmost care to see what can be done with it. Unless better results are obtained we will not sell any more of these machines.

The Western Company also write as follows:

It would be a great advantage if the Machine Works

DEFECT BOOK REPORT FOR WEEK ENDING DECEMBER 9th. 1882.

New Bedford, Mass. November 29th. 1882.

We are having considerable trouble with the switches burning out in the carding room, and some in the weaving room, and we think the switches are not heavy enough, more especially in the carding room. There is evidently more heat than should be, for this morning the wire burned out of one, and the heat melted the brass screw that holds the lead wire. We feel the matter should have the attention of some competent person at an early day. We certainly are not running the lights too high; rather below than otherwise.

Switches.

1/2
New G 2.

Lamps.

The new $\frac{1}{2}$ lamps have been recently in use at the New York Herald. In a request for a new barrel of lamps they say, "Please send a barrel of the old style of lamps as these new ones do not last any time."

Chicago, October 30 th. 1882.

It is rather discouraging to us to put a quantity of lamps into circuit for the first time and have several of them immediately unsolder between the carbon and the platina wire. Occasionally the wires appear crossed in the neck and are destroyed immediately from that cause. In others the neck is found loose from the bulb

Lamps.
Bad
Contact
Between
Carbons
and wires.
Crosses.

THE NEW YORK PUBLIC LIBRARY
ASTOR LENOX TILDEN FOUNDATION
500 5th Ave. N.Y. 10017

Broken
Carbons.

when taken from the barrel. There have also been quite a number of lamps recently having the carbons broken when the lamps are unpacked.

Chicago, November 4th. 1882.

Broken
Carbons.

In every barrel there are at least two lamps loose in the sockets, four broken in the carbons, one with neck loose bulb and four with wires crossed in neck. The number of lamps lost from actual breakage of globes has been extremely small and not more than might be expected from shipment.

The lamps recently received are not nearly as perfect as those formerly sent us, the cause of which you have already explained and our experience thoroughly corroborates the views expressed by you.

Chicago, December 5th. 1882.

Lamps
Are.
Flanges,
Screw
holes.

Partridge plant had seven lamps arc first day. These were probably the poor lamps of a poor lot. There were three or four the second day and since then no serious breakage from this cause.

Cast iron ceiling flanges have the screw holes cast in them and as they are neither reamed or counter sunk a large number of them are useless as holes.

Chandelier No. 700 at office was burned in the

Screws
in
Chandelier.

Resistance
Box.

Arms.

Fiber
Block
in
Switch.

Dynamo
Switch
Lever
Stud.

Oil from
Bearing of
Dynamo to
Commutator.

slide, seemingly by two screws in upper end of the sliding tube coming loose and making contact with outer tube. As these screws have only vulcanite to hold in, their heads should be soldered to keep them in place.

Resistance boxes in some cases give trouble by the radical arm stopping against the section plates.

A Z-B box in stock is not fit to send out from this cause

Two large No. 215 switches, old style, with wooden base were broken by the swelling of the vulcanized fiber block which carries the contact plugs. Being in a damp place the fiber swelled, stuck fast in its socket and so was twisted off from the plugs in the effort to operate the switch.

The stud carrying the switch lever on two machines at Rand, Mc.Nally & Company and Republic Life (Z machine) was broken off short by the nut, seeming to indicate poor metal. Have noticed in the above cases and others that the spring plate under the switch lever seems to lose its tension, allowing the lever to become loose with a tendency to heat.

L dynamo, No. 88 at the Academy of Music, allowed the oil from the bearing to soak under the collar at end of commutator and into the commutator itself. The effect was to cause the commutator to spark around badly. It was partly remedied by filling in the joint

wider base.

K and L brushes we have found somewhat bent out of shape in transportation. Would recommend that in packing, a strip of wood be placed between brushes and slotted to admit the ears of the brush.

Brush Holders and brushes on the E dynamo are too narrow and the brushes too stiff. For Norton's machine the brushes were changed to make the slot one inch wide instead of about 3/8. Using brushes about 1-8 inch thick and 3-4 wide, there was less sparking, and much less cutting than with the narrow brushes.

Z dynamo at Tallman, Mich. had one field binding post loose. The thread in the binding post being imperfect or hole drilled too large to hold on the stud.

The E dynamo at Norton's was in actual use about three weeks, fourteen hours daily, when the commutator bars wore through. The armature was at once taken out, commutator turned down, new cover put on next the commutator, brush holders changed and better brushes provided. The machine started well and with the new brushes no difficulty was found in making the machine work fairly well with close attention. The machine had attention from the Mill engineer once an hour or oftener. That was the best he could do but was not enough for the machine. The heat of the engine room had something to

Packing
Brushes.

Brushes
E
Dynamo
too narrow

Binding
Post loose

E dynamo.

For
Clarence
Crawford
No. 1
No. 2
No. 3
No. 4
No. 5
No. 6
No. 7
No. 8
No. 9
No. 10
No. 11
No. 12
No. 13
No. 14
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No. 47
No. 48
No. 49
No. 50

DEFECT BOOK REPORT FOR WEEK ENDING DECEMBER 16th. 1892.

Chicago, December 6th. 1892.

Tubing
not
Marked.

The last consignment of tubing shipped us for the Best Brewing Company at Milwaukee was not numbered, or when the pieces were numbered in several instances the numbers were illegible so that when our men came to the work of making the connections it was necessary for them to try each piece until the right one was found. This was a source of considerable annoyance and delay, and as I presume that it was the intention to have all the lengths properly marked, will you please oblige by having future lots put up so there will be no difficulty in determining the location of the tubes.

Washington, December 11th. 1892.

Safety
Catch
on wrong
Pole.

Complaint was made a while ago of Bergmann's fixtures a number of wires having been destroyed inside of the swinging brackets. It is the opinion now that it was the carelessness of your men who first put in the wires. In taking down one of those lamps the other day after having turned out the plugs sparks were received from the black wire coming from the dynamo, and it was found that not only on this place but on some others the wires were run wrong through the cut-outs, the safety catch being inserted in the white instead of the black

wire, and so it is possible that the wire of the bracket burned out without destroying the safety lead wire inside of the brackets.

In the double pole ceiling cut-outs the screw holes are too far apart which are made to fasten the cut-out to the backboard. They are so far apart that the screws come on the outside edge of the backboard, and will necessitate changing the backboard to about $5\frac{1}{2}$ inches in width, if the holes are maintained in their present position. If these holes are put in the centre line of the cut-out there would be no difficulty.



President.

Handwritten notes:
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Screw
 Holes
 in new
 Cut-outs.

DEFECT BOOK REPORT FOR WEEK ENDING DECEMBER 30th. 1882.

The Defect Report for last week was omitted because there was nothing to report but two small items, and I thought it advisable to hold them until this week.

Manchester, N.H. December 20th. 1882.

Armature
Sparking.

The armature which was turned off under the directions of your man is making the same trouble again, sparking and destroying brushes on the positive side. One of two causes I think produces this result, either a faulty construction or the centre in which the bearings were turned at the shop was out of true. It requires immediate attention, has always run with a jar or clatter showing conclusively that the bearings were not round or that the armature was out of balance. How soon will you be able to look into this matter again?

Copper
Deposit
in
Lamps.

Many complaints have been recently made in reference to lamps which have recently been used that the action of the current deposits the copper and carbon on the inside of the globe to a greater extent than has ever before been noticed. This commences after the lamp has been in use for about twenty hours, and many lamps are worthless after forty hours life, although the carbon is still good.

COPIES NOT FORN

New York, December 27th. 1892.

Office of E. S. Jaffray & Co:-

Breakage
Lamps.

Please send one hundred A lamps at once. We are averaging two and a half per diem, and it is our opinion that your last lot of lamps is very inferior and short lived.

New York, December 29th. 1892a.

Office of the New York Herald:-

Bad
Contact
in
June.
Boxes.

There was a fire caught last night in the folding room in one of those coupling boxes attached to the electric tube containing the mains for receiving the insulating compound. It was extinguished immediately. I suppose it was the heat of the wires that set the compound on fire.

Springfield, Mass. December 26th. 1892.

"B"
Lamps
Breakage.

The Whiting Paper Company of Holyoke has a Z-B plant in its No. 2 Mill on trial. The lamps furnished have behaved very badly and are now all burned out, none having run anything like 600 hours. I have been trying to obtain an order for an L-A plant to replace the present one, but in the face of the fact that the B lamps have fallen far below our guarantee, I have met with but poor encouragement. As the case now stands we must give

then a fresh trial with a new lot of lamps or I am sure
they will ask us to take the plant out. Its present
stoppage is bad enough but to remove the dynamo would
result in the loss of all our work in that field and a
practical abandonment of the market to our competitors.

Manchester, N.H. December 26th. 1892.

On examination of the circuit in the Amory Mill
plant, I find one of the main switches to be useless,
and more than useless for the current has created such
an arc continually that the brass is blackened and wood
part of switch all scorched and burnt. This without
doubt is one reason at least why the machine has run
badly. The current has passed through the switch and
apparently it is all right. The armature arrived yes-
terday and will be placed to day. Machine ran all right
with switch turned off, but not exactly as it should do.

J. H. Eaton

President.

Switches

Bad

Contact

1882. Electric Light - Edison Electric Illuminating Company of New York (D-82-023)

This folder contains correspondence and other documents relating to the business of the Edison Electric Illuminating Company of New York. Formed in December 1880 to build generating stations in New York City, the company constructed the Pearl Street central station, which began operation on September 4, 1882. Many of the documents in this folder deal with operations at Pearl Street. Related information about the Pearl Street station can be found in the Edison Electric Light Company Bulletins (Company Records Series).

Approximately 70 percent of the documents have been filmed. The following categories of documents have not been filmed: routine company correspondence, such as letters calling for the payment of stock installments; routine notices for meetings of the board of directors.

The Edison Electric Illuminating
Company of New York
65 Fifth Avenue

New York, Jan. 5th 1882

Estimated Cost of Central Station for 1000 H.P. at 25th Street Sta.

per Ton Day

1000 H.P. Babcock & Wilcox Boilers	\$16500	
Firebrick & Firemortar	400	} — \$ 18 ²⁶
Boiler machinery	1360	
2 Iron Stacks with Iron Supports	2200	2 ²⁰
Iron Gangway & Iron Stairs	1320	1 ³²
Heater, Pump, Injectors & Piping	5000	5 ⁰⁰
Blower, Engine, Shafting & Belting	1300	1 ³⁰
Foundation of Concrete, Brick & Stone	1100	1 ¹⁰
Iron Structure with Brick flooring	4800	4 ⁸⁰
Chk of Coal Conveyors	2000	2 ⁰⁰
Covering for Pipes & Iron Stacks	—	\$ 35 ⁹⁸
Street Vault for 25 th	1500	
Expense in altering the Building	—	
6 Engine Dynamos	—	
Conductors with Appliances	—	

Julius L. Florenig. —

Miscellaneous
Apr 1882

The Edison Electric Illuminating
Company of New York
65 Fifth Avenue

New York, April 8, 1882.

Personal

A. A. Edison Esq.

RECEIVED
APR 8 1882
ANSWERED

Dear Sir

.....188.....

I suppose you are aware I have received notice to quit the service of the Illuminating Company, to take effect 2 weeks from today, on a plea that the New Building Dept was to be wiped out, in which case of course such action seemed unavoidable. However I have since received notice that myself and Freeman Johnson are the only ones to go, and that Mr. Greenfield will take charge of my men and work also that Dr. Miner will be retained. Now this is a summary proceeding I cant understand. I have worked hard for the Co since I came here last August. I was put in the position by Est. of Vanderbilt & other houses after 1/2 doz others had backed out, and I think considering

the State cost of them were in. I succeed pretty well, and when I am just out of the mess my reward is dismissal without proper explanation. I am aware that the outlay has been heavy on the buildings started before I came here, I think I could have started fresh & wired them at $\frac{1}{2}$ the cost. But the new buildings I have wired since I know are within estimated cost, will bring company 20% on outlay, and money can easily be collected. The Dept. will now pay for itself and I think I was as competent to attend to it as Mr. Greenfield.

However I don't expect further consideration in that direction, and would ask if you can provide for one elsewhere, here or abroad. As you think of working up signals & interlocking switches in connection with the Electric Railway at Menlo Park, if so I would suggest that my experience and long study thereon might be useful. I think I could work up system of practical value.

Yours respectfully
John H. Knight

THE EDISON ELECTRIC LIGHT CO.,
25 FIFTH AVENUE.

New York,

May 13th 1887

Sam^l Driscoll Esq
Menlo Park

Dear Sir

Yours is at hand

Street Conductors in 1st District
including laying & repaving
over trenches and all expenses
connected with the business

Cost to March 31st \$135,842.67

It was estimated at
that date that it
would require in
addition to complete

20,000
\$155,842.67

This is likely to be considerably
exceeded as the payments in

April were

21,030.07

& so far in May

5,367.11

26,397.18

being already \$2,400 above estimate

12

of March 31st but I believe there
is very little more to come in.
I will send you this P.M. if
possible, anyway on Monday
a statement showing details
of this cost as distributed
in cost conductors, joints & boxes,
labor &c &c.

Yours truly
C. G. Lacy

THE EDISON ELECTRIC LIGHT CO.,
65 FIFTH AVENUE.

New York, *May 18th* 1882

My dear Edison

Illuminating
Shares are looking up
a little and there is some
enquiry for them at about
par. I heard today of an
enquiry for 100 share
lot, no price named, but
a small lot sold yesterday
at par and possibly that
might be had for the larger
lot. If you want to reduce
your holding let me
know and I will see
what can be done.

I have some samples
of my new ~~cut~~ outs and
plugs which look well to
me, well and if on some
just opportunity and will
try them here in the circuit

*Answer or next day see how they work
Sincerely
Charles*

May 31st 1882

Cost of First LD District Pen

Statement (attached) 295,302.35

Real Estate 36375.66

Supplies 10639.34

Material 16668.66

~~Outstanding 81701.13 145384.79~~

Compassing 2958.64

Interest 1720.20

License & 109760.66

~~Light Apparatus and Expense) 8344.47 1321783.97
C.S. Taylor & Co #563471.11~~

Receipts

Installments on Capital 544960.

Rents 340.

W.H. Painter & Co 360.

J.C. Brown & Co .06

~~Overdrawn 4812.48 550472.54~~

Bills unpaid \$12998.57

E. & G. Co of P.V. East of Installation of First District May 31 1922

Street Conductors

Tubes 98693 feet 1 1/2" Inches	115019	60	
Rover 5993 Number	14701	90	
Joints 81532 "	7013	65	
Flashed Flanges 1575 "	21	22	
Iron Rings 4700 "	151	75	
Iron caps 313 "	154	35	
Lead around 1192 1/2 Pounds	5021	06	
Compound 76017 "	7278	19	
Iron Bolts 27140 Number	404	79	148277 81
Opening Streets	5095	64	
Repairing 5254 1/2 feet 1 1/2"	8031	68	
Payments to City 60500 & feet 1 1/2"	60500	00	13732 30
<u>Wrenches</u>			
Packaged	176	33	
Paper	26	60	
Repairs Oak Appl	42	75	
Cartage	674	53	
Miscellaneous	2859	73	3789 94
			165800 07

Station Structure

Foundations	1767	32	
Iron structure & Erection	8018	71	
Fire Roofing Floors	503	00	
" Stacks	400	00	
Vaults	3470	07	
Carpentry	1130	14	
Hardware & Blacksmith	429	92	
Stairs & Platforms	1320	00	
Wrenches	692	09	
Plumbing	156	28	
Sheet Iron Workings & Refining	366	25	
Pay Roll and Petty Cash	5027	95	
Setting Process	1773	53	25416 76

Station Apparatus

6 Locomotives	45000	00	
Engines	6056	76	
Locomotives	1063	48	
Roller & Fitting	18939	94	
Smoke Stack	1625	00	
Conveyors	3069	56	
Shafting	250	00	79009 74
			270276 57

General Expenses

General Expense	3081	76	
Electricity Collection	1175	00	
Stationary & Printing	1021	01	
Expenses at all	82	23	
Insurance	408	90	
Taxes	864	60	6633 50
Lamps		7500	00
Engineering Expenses		10892	08
Estimated Amounts to complete		295302	35

1
The Edison Electric Illuminating
Company of New York
65 Fifth Avenue

Edison

New York, Aug. 15th 1882

Dear Sir:

I wish to have a conference
at my office tomorrow, Wednesday,
morning at 10.30 o'clock, to decide
what day the Central Station shall be
started, and also to consider important
details connected therewith.

Your presence is especially
desired.

Yours truly,

J. R. Eaton

Nice Crest.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been accepted to by the sender of the following message. Errors due to general causes only by repeating a message back to the sending station for correction, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of actual charges, if at the time where the claim is not presented in writing with satisfactory proof.

This is an UNREPEATED MESSAGE, and is delivered by means of the 1/20 subject to the conditions named above.

TICKS, T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	SENT BY	CHECK
0166	W. L.	25	paid

Received at the WESTERN UNION BUILDING, 195 Broadway, New York.

Date Sept 7 1882

To Sacramento Cal

to Thomas A. Edison

Central Station Pearl St

Near Fulton N.Y.

Accept a large gob of Congratulation
 from yours truly San Francisco
 and Sacramento Papers say the
 entire success of Edison light and system is
 now established.
 Frank McCaughrin

[FROM CHARLES L. CLARKE]

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assessed to by the sender of the following message, and the sender of the following message, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days of the date of the receipt of the message.

THIS IS AN UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

NORVIN GRACKEN, President.

NUMBER	SENT BY	REPT BY	CHARGE
2	Wm	Wd	Let Paid

Received at Wm Sept. 18th 1889

Dated New York

To J. A. Edison

Mano Park
O.K. at Central Station.

Draw ready Wednesday. Please send I
want to transfer steel gangs to Illuminating
Company immediately. Say yes or no.
Clarke.

A few figures about
28 District.

Distance from E. Line 8th Ave to W. Line Madison Ave. 3240 ft
 " " W. Line 34th St to S. Line 34th St, 2515.
 Geographical Centre, centre of 29th St 80 ft W of 6th Ave
 Distance from centre to N.W. N.E. by S.W. corners, 2056'
 " " " " " " along streets & Avenues, 2877'
 Madison Square in the S.E. quarter of the Dist
 extends to 23rd St and thus increases the length
 along the Western side of Madison Ave 2576' 2515' + 276' = 2778'
 Area of Dist ft 8,148,600 Miles 0.29
 " " 1st Dist was ft 3,000,000 " 0.13
 Total estimate of Mains without House services,
 Feeders, or Bridges 95,000 ft

Sewing Machines 2309

Steam Engines 48 of 1453 H.P.

only 10 of less than 10 H.P. each

Gas Bills (month) partly estimate \$37,500

The Gas centre is 5 ft S of 29th St by 29 of E of 6th Ave.

The Gas Lights are distributed as follows.

Location	Quantity	Value	Direction	Value
Upon 8 th Ave E.S.	1,600		Between	
Between 8 th and 7 th Ave		5,200	34 th St	3,300
7 th Ave W.S.	800		33 rd St	3,000
7 th Ave E.S.	800		32 nd St	3,100
Between 7 th and 6 th Ave		4,300	31 st St	5,000
6 th Ave W.S.	2,400		30 th St	5,300
6 th Ave E.S.	1,400		29 th St	5,400
Between 6 th and 5 th Ave		5,000	28 th St	3,600
5 th Ave W.S.	4,700		27 th St	4,700
5 th Ave E.S.	4,100		26 th St	4,500
Between 5 th and 4 th Ave		5,100	25 th St	3,200
4 th Ave W.S.	1,200		24 th St	
4 th Ave E.S.	1,600			4,100
Between 4 th and Madison		2,000		
Madison W.S.	900			
On Avenue	19,500			
" Street		2,100		
Total		41,100		

There are about 2400 Buildings including

Churches 16
Hotels (large) 17
Theatres 7

There are about 100 buildings of over 50 lights each,

as 50 to 99	49	—	3,063
" 100 " 149	18	—	1,913
" 150 " 199	8	—	1,340
" 200 " 249	8	—	1,741
" 250+	22	—	11,027
Buildings	105		
Gas Lights			18,984

These 105 average 181 each.

The other buildings, 2281 buildings 10 each.

Total average district 17.2+.

Oct. 12. 1882

Avg width of sidewalk, $\frac{17}{4}$
Horse at back, 2.0
To trench from curb, 3.—
To go through horse walk, 2.6
Average, Horse service, ... 25.0
Nearly double that of 1st Dist.

[ATTACHMENT]

A few figures
of 200000

Oct/82

R.f.10

gets hospitalized
not ~~to~~ ~~the~~ ~~sup~~
May says 150
books - the net
200 flight

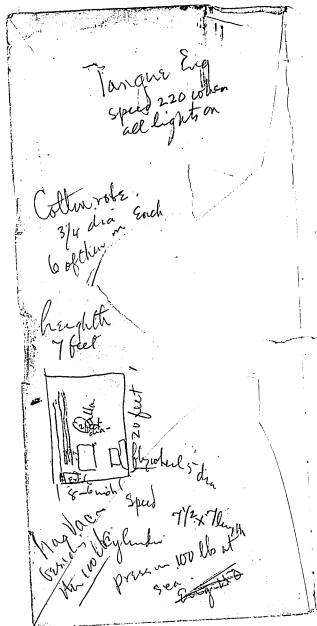
Lang Mac
680 Res

25 inch
dia

Reg by
Speed-

J. J. Collier Esq

[ATTACHMENT]



Mr. Edison,

Will you please attend meeting in my room to-night

at 8 o'clock of Committee of Board of ^{Fire} Underwriters. I have as-
signed Mr. Johnson to be present.

S. H. Eaton

October 13th, 1892.

per Mc.G.

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2
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The Edison Electric Illuminating
Company of New York,
65 BROADWAY Avenue.

OCT 23 1882

ANSWERED

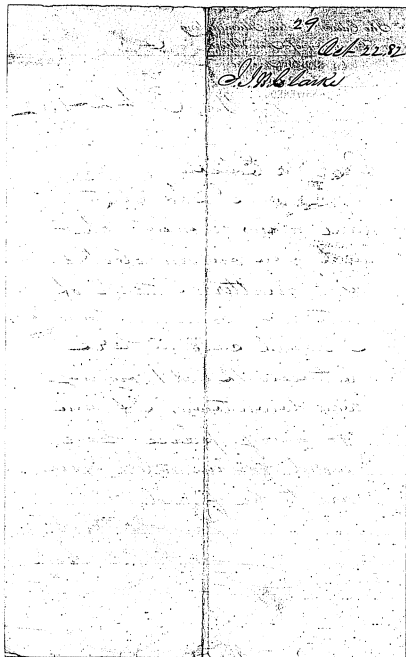
New York, Oct 22 1882

FILE No. 27-183

Dear Mr. Edison like
I should like to
have a few moments chat
with you on an electric
light matter I think of
interest - some time tomorrow.
I shall call in here
between 12 and 1 on my
way down town. If you
go away please leave
word for me where you
are to be found.

Yours faithfully,

J. C. Clarke



Mr. Edison -

Mr. Anderson and his associate Committee of the Board of Underwriters will be here Monday evening at this office at quarter past eight for the purpose of hearing what we have to say against their present rule that there must be a safety-catch at the entrance to the fixtures, or one in each socket, or both. We claim that it is enough if there is a safety-catch between the tap and the fixture. Anderson is going to give us an especial hearing on it at this office Monday night. Johnson, Vail and Greenfield will be present. Perhaps you may wish to attend?

S. B. Eaton

November 4th, 1882.

per Mc.G.

will try to be here

Mr. Insull,

RECEIVED
NOV 8 1882
ANSWERED
putting our light in the Evening Mail, Mr. Johnson tells me he thinks our mains and feeders are sure to be overloaded in that section of our district. He thinks we cannot afford to spare any more current in that corner of our district. I mention this in order that you may know the matter had my attention. If you have any suggestions to make please let me hear from you.

S. B. Eaton

November 8th, 1882.

per Mc.G.

Mr. Edison,

The Times of this morning, referring to the fire and explosion yesterday morning in the Pearl Street store at 243 Pearl St., states that two of our men were engaged at the time in running wires in the cellar. It was a very bad fire, and the loss of life makes it all the worse. In order that we may be prepared for any claim against us which may possibly be made, I immediately dispatched Meadowcroft to hunt up the men who were running the wires to get a written statement from them covering the exact facts in the case. I propose to investigate the matter thoroughly without a moment's delay.

S. B. Eaton

November 9th, 1882.

per Mc.G.

The Edison Electric Illuminating
Company of New York,
65 Fifth Avenue.

New York, November 9th 1882

J. A. Edison Esq
Dear Sir

With this you will please find a
small plan of the 28th dist showing by circles and enclosed
figures the position (and number of Gas Jets in each)
and names of the principal buildings in the district. Below
I give in brief the result of my enquiries about lots, so far
as I have at present proceeded.

On the N side of 24th at about 400ft West of 6th Ave
are two lots, one with a good private stable, the other
vacant, but each has a wooden tenement in the rear.
Nos 135 & 137. ^{Each 25 x 100.} price \$12,500 Each, abt 50% too high.

Upon the S. side of the same street 100ft near the
6th Ave in the Alhambra property, recently burned, this
I think may be for sale and have made some enquiry.

3 lots each 20 x 90.9. Nos. 124/128.

Upon the S.S of 30th at about 150 ft E of 7th Ave
in the property lately bought by the Steam Heating Co.
Some of this or immediately adjoining is now

The Edison Electric Illuminating
Company of New York,
365 Fifth Avenue.

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New York, _____ 188

for sale, and I will know more about it a few days. There
appears to be some uncertainty respecting the title to it.

One obstacle to the laying of Conductors in this
Dist. ~~and~~ which would also affect the value of lots
for the purposes of the Co in Rock, which may
be found under the surface of nearly the whole
upper part of the Island, and which has formerly
cropped out in many places even as low down as
the 28th St. notably in West of Ave 6th Ave, and
along the 6th and 7th Avenues at various points

Before consummating any purchase, it
would be well to have definite knowledge of
any proposed Central station in this respect:

Yours resp.
Robt J. Boggs

1
The Edison Electric Illuminating Co
New York, Nov. 14, 1882

To the President and Executive Committee
Gentlemen -

Your President has requested me to prepare a report upon the Central Station systems in the First District, New York City, having reference to the cost of installation, cost of operation, and probable income from the sale of light.

The subject matter will be divided into the following topics.

First. Actual Cost of Installation

Second. Present Cost of Operation and light supplied at that cost.

Third. Probable cost of operation of Plant at its maximum safe capacity, and income from the sale of light.

• Estimates for the present and for the completed Plant.

2

Actual Cost of Installation

The following is the official statement of expenditures as obtained from the accounting department.

Real Estate	\$ 66,375.66
Station Structure	32,209.39
Do Apparatus	100,410.32
Strip Conductors	188,061.81
House Connections	5,828.95
Meters	1,178.38
Engineering Expenses	17,502.34
General Expenses	2,532.85
Total	<u>\$ 415,099.70</u>

To this add

Operating Expenses to Nov. 1.	15,875.85
as they should properly be charged to construction until the sale of light begins.	
Due on Engines	6,000.00
	<u>\$ 436,975.55</u>

From this deduct one-half cost of Real Estate	33,187.83
Expended on Station Structure in 250 Pearl St.	8,000.00
Cost of Producing Plant	<u>\$ 395,787.72</u>

To complete the Plant in 205 Pearl St.
it is estimated there will be

required	\$112,000.00
Already Expended	436,975.55
	<hr/> \$548,975.55

To complete outfit
(Electrical appliances etc)

	\$8,000.00
	<hr/> \$556,975.55

Present Cost of Operation
and
Light supplied at that Cost

The item of wages due to the operation of the Central Station has been nearly uniform from the commencement, for although the number of lights has increased from a few hundred to two thousand up to date the same operating staff was necessary and is sufficient for a considerably increased demand upon the plant for lights.

Operating Staff, Central Station

Note - 365 days per year unless specially noted otherwise

Superintendents		\$ 2,400.00
Chief Engineer	@ 10.00	1,825.00
1 Engineer (Engine room)	3.50	1,277.50
2 " " "	3.00	2,190.00
1 " (Boiler room)	3.50	1,277.50
2 " " "	3.00	2,190.00
1 Oiler	2.50	912.50
3 Oilers	2.00	2,190.00
3 Firemen	2.00	2,190.00
3 Coal Passes	2.00	2,190.00
4 Bench men	2.50	3,650.00
1 Mechanic 313 days	3.50	1,095.00
2 Laborers do do	2.00	1,252.00
1 Watchman	2.00	730.00
3 Regulator men	1.50	1,642.50
3 Electric Allen's maintenance per month		1,656.00
Accountants		1,200.00
Boy	@ 1.20 per month	156.00
1 Electrician	@ 2.50	912.50
1 do	@ 2.00	730.00
		<u>\$ 31,464.00</u>

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Operating Staff, Street Conductors

Inspector & Electrician @ \$23.00 per week	\$1,196.00
Assistants " " " "	780.00
Watchman " " " "	912.50
1 Clerk inisk 313 days @ 3.25	1,017.25
2 do do " 3.00	1,878.00
	<u>\$5,783.75</u>

Grand Total \$5,783.75

From this account I have omitted the men employed upon services and other employees properly belonging to construction staff, and to the best of my ability this represents what the staff, operating the Station, costs.

By a careful record of the number of engines and hours run, the consumption of oil is found to be 0.623 quarts per engine per hour, in the proportion of $\frac{2}{3}$ spent to $\frac{1}{3}$ cylinder at a cost of \$1.25 and \$1.10 per gallon respectively.

The cost of oil per engine-hour is therefore \$0.19

The amount of water used per day has been for the past week 2000 cubic feet at \$1.00 per thousand cubic feet.

During the same time there was consumed 4.3 tons (2240 lbs) of pea coal at \$3.90

To three tons there is one load of ashes costing \$1.00 per load to remove.

To arrive at the number of lamps and hours in use during this time is exceedingly difficult at this stage of operations, but to enable an approximate estimate to be made indicator cards were taken from the engines in use every half hour.

The size of the diagram when compared with diagrams taken with a known number of lamps gives an approximate idea of the number in use by consumers.

I give the results in several instances for consecutive days.

Nov. 9, 1882. - 9.30 A.M.

The diagrams show that about 500 lamps were in use increasing to 500 at noon, between 4 P.M. and 5 P.M. the number rapidly increased to 1000; at 6 P.M. there were hardly more than 500; at 8 P.M. the number had decreased to 250 and remained uniform during the night.

At 8 P.M. Nov. 10th the number rapidly increased until at 9.30 P.M. there were 1000 lamps in use. The demand was uniform throughout the day. From 4.30 P.M. there was an increase until at 5.30 P.M. it amounted to 1000 lamps.

Between 5.30 and 6 P.M. the number decreased rapidly to about 500 lamps.

At 6.30 one engine was shut down with 600 lamps on which gradually decreased to 300 by 8 P.M. and remained constant throughout the night. This was a dark rainy day.

At 8 A.M. Nov. 11th the number of lamps began to increase and at noon there were 600 in use, at 3 P.M. the number increased rapidly and at 4 P.M. there were 1000 lights. The decrease after 5.30 was repaired on other days and the demand remained constant throughout the night.

Sunday Nov. 12th the demand was steady at about 400 lamps. The few examples cited show completely what governs the demand in the First District.

From all the data obtainable and especially that obtained from Nov. 9th to Nov. 13th - my conclusion is that the number of lamp-hours was 44,000.

The total consumption of coal 25 tons at \$2.90 gives 1.27 lbs. per lamp per hour, costing \$0.002211.

The number of engine hours during this time (four days) was nearly 1000, requiring 66.86 quarts of oil, costing \$19.75.

The cost of oil per lamp per hour was \$0.000449.

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I had no means of ascertaining the breakage of lamps. But assuming their life 600 hours, 73 lamps failed which cost at 40¢, \$29.20 or on the lamps in operation \$0.000664 per lamp per hour for renewal.

The cost of removing ashes was \$8.00 and 2500 cubic feet of water per day @ \$2.50 per 1000 was \$10.00, a total of \$0.00041 per lamp per hour.

On Sunday there were 9600 lamp-hours leaving 34,400 lamp-hours for the other three days. This is at the rate of 11,470 lamp-hours per week day, which can be accounted for by 500 lamps from 8 A.M. to 4 P.M., 1000 lamps from 4 P.M. to 6 P.M. and 300 lamps from 6 P.M. to 8 A.M.

This is about the result practically found. The total lamp-hours for the entire week on this basis would therefore be 78,400.

The expenses of Operating Staff being \$37,250.70 annually the cost of this item per lamp per hour will be \$0.009137.

Assuming an average of 5% depreciation on \$358,876.69 during this time, the annual depreciation will be \$17,943.83, or \$0.0044 per lamp per hour.

Summary

Coal	0.002211	
Oil	0.000449	
Water	0.000227	
Samples	0.000664	
Ashes Removed	0.000181	
		* 0.003732
Operating Staff	10.009137	
Depreciation of	0.004400	0.013537
Total Cash		10.017269

The average number of lamps in use in the Central Station has been 68 which gives for one week a total of 11,424 lamp-hours.

The total lamp-hours of one week 78,400 at a cost of 10.017269 per lamp-hour gives a total of 1,303.89 per week. Since only 66,976 lamp-hours are chargeable to customers the cost per lamp-hour will be 10.02

Upon the basis that one M of gas will give 2000 candles for one hour, the electric light would have to be sold at the equivalent of 12.50 per M to cover the cost on above basis.

The items of taxes, insurance and other miscellaneous expenses have been omitted, but would be largely covered in the item of depreciation which has been assumed somewhat high, and half the Real Estate has been included in it at the

same rate. To conclude this topic, this estimate shows what has been done with the plant with 1400 to 1800 lamps on the Consumers circuits. The basis of cost of the light has been with this small possible consumption, the demand of which has never exceeded 1300 lamps and then only once for about an hour; to offset this however the Consumers, not expecting as yet to pay for the light, have used it wastefully.

The lamp-hours during these week days show that 1800 lamps would have to be on 6 hours 22 minutes to make up the lamp-hours recorded, whereas the time would probably not have exceeded 4 hours if the Consumers were paying for the light.

The total investments of underground conductors for 14,500 lights, and Central Station plant with ultimate capacity of 7200 lights have also been charged against the small possible demand of 1700 to 1800 lamps. So one will therefore for a moment consider the foregoing as bearing any direct relation to the cost that the Edison light can be produced for by the Central Station System. But this naturally leads to the next topic.

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Probable Cost of Operation of Plant
at its maximum safe capacity, and
income from the sale of light.
Estimates for the present and completed
Plant

The first important question is, what is the limit to the capacity of the present station? The station has not been in operation long enough to determine the factor of reliability of the plant, but it is not as yet proved that the capacity can be safely increased beyond the ability of four machines to meet the demand.

Assuming that as many parties as want the light are supplied with those which they need most (and this is now being done) the capacity can be 4800 and if the ratio of 1300 to 1800 which was the approximate ratio of greatest demand to number installed, is assumed to hold good, then 6650 lamps can be installed with safety in such places as will insure the greatest use.

Operating Staff

With the advantage of the experience gained by two and one half months operation

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By the Superintendent (Mr. Cash) it is deemed necessary to only slightly increase the force by one Engineer, one oiler, and one fireman. If heavy work comes on in the light watch during the day, the station machinists can temporarily act as an Engineer.

The Expenses of operating Staff are therefore

\$29,988.20

It has been found with 1800 lights on consumers circuit the demand equivalent to the whole number was during 6 hours 22 minutes. But when paying for the light and considering that the data was obtained in the busy season and short days it will not be safe to assume more than 3 hours per day consumption throughout the year for the full number 6600 lamps.

On this basis the lamp-hours per week will be 136,362.

The cost per lamp per hour for operating Staff will be \$0.005639. No expense has been added to the plant as it is already constructed, and therefore the total depreciation will remain

\$17,942.83

The cost per lamp-hour for depreciation will be \$0.002520.

The coal, oil, water, lamps, and removal

13

of ashes will cost per lamp per hour about
 what they do now, but certainly less.
 I will assume it the same which is
 an excess.

Summary

Costs per lamp per hour
 Capacity 14000 - Lamps installed 6650
 (ultimate Capacity 7200 Lamps)

Coal, Oil, Water, Lamps and Ashes Removed	\$ 0.003732
Operating Staff	0.005639
Depreciation 5%	<u>0.002530</u>
	\$ 0.011901

The 68 Lamps used in Station will increase
 this cost to

\$ 0.012989

If price charged is on the same basis
 as gas at \$ 2.00 per M the cost to consumers
 per lamp-hour is

\$ 0.016

The profits per lamp hour will be

\$ 0.003011

The Annual Profit will be

$(136262 - 11424) \times 82 \times 0.003011 = \$ 19,561.79$

or 4.94% per cent on the actual cost \$ 395,787.72

Completed Plant

The completed plant as by estimate already
 given will cost (arranged same as present

plank.)

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Already Expended	\$436,975.50
Cash to Complete Station 255 Pearl St.	112,000.00
To complete outfit, Electrical appliances etc.	8,000.00
	<hr/>
	\$556,975.50

On the same basis as last assumed the number of lamps which can with safety be installed to best advantage for long use will be 13,300; and the lamp-hours per week will be 271,334.

Operating Staff

on same basis as before

Superintendent		\$2,400.00
Chief Engineer	@ 15.00	1,825.00
2 Engineers (Engine Room)	3.50	2,500.00
6 " do do	3.00	6,570.00
1 " Boiler Room	3.50	1,277.50
2 " do do	3.00	2,190.00
2 Oilers	2.50	1,825.00
8 do	2.00	5,840.00
8 Firemen	2.00	5,840.00
3 Coal Passers	2.00	2,190.00
10 Bunk men	2.50	9,125.00
2 Mechanists 3/3 days	3.50	2,191.00
	Forward	<hr/>
		\$43,828.50

		10
Tonnage		
3 Laborers 3/3 days @ 2-		1,878.~
1 Watchman	2-	730.~
3 Regulator men	1.50	1,642.50
3 Siller ellen	1.25 - 1.75 - 1.50 per mesh	2,236.~
Accountants		1,200.~
Boys	75.~ per mesh	416.~
1 Electrician	3.~	1,095.~
1 do	2.50	912.50
Inspector of underground Conductors and electrician		1,500.~
Assistants	1.75 per mesh	780.~
Watchman	2.50	912.50
1 Sillachinik 2/3 days	3.25	1,017.25
2 do do	3.~	1,878.~
		\$60,026.25

This is \$14,515.25 less for a double plant than these the same items for the single plant.

On the former basis the mesh lamp-hours will be 272,724 and the expense of operating staff per lamp-hour will be

\$0.004232

The depreciation on \$20,000.~ at 5 percent will be

\$26,000.~

depreciation per lamp hour

\$0.001833

The items of Coal, Oil, water, lamps and removal of ashes will mesh with still greater

16

reduction, but as it is hazardous to
approximate the amount it will be safe
to assume it the same as before per
lamp-hour $\$0.000732$

Summary

Cash per lamp per hour
Capacity 9600 - Lamps installed 13,300
(ultimate capacity 14,500)

Coal, Oil, Water, Lamps and ashes removed	$\$0.000732$
Operating Staff	0.004232
Depreciation 5%	0.001833
Total Cash	$\$0.009797$

The 100 lamps that will be required in
Station will increase this cash to
 $\$0.010440$

The profit per lamp-hour on a basis of
gas at $\$2.00$ per M (2000 candles per M
per hour) will be 0.00556

The annual profit will be
 $(272,724 - 16,000) \times 52 \times 0.00556 = \$73,992.70$
or 13.28 per cent on the cash
 $\$556,975.50$

These figures, especially as regards the
operating staff are based upon circumstances
which are very unfavorable and which
admit of heavy reduction by proper modifications

of the planks.

The consumption of coal will be much less than given in these estimates as the rate is taken for a large plank making on a small production which is never economical.

I trust that the facts and figures presented in this report will be of interest and give satisfaction considering the short time there has been in which to collect data.

Respectfully Submitted

Chas. J. Clarke
Engineering Department,
Edison Electric Ill. Co.

Summary for One Year

Whole Plant - on maximum safe capacity

Coal	$272.724 \times 52 \times 0.002211$	731,355.62
Oil	$272.724 \times 52 \times 0.000449$	6,367.56
Water	$272.724 \times 52 \times 0.000227$	3,219.24
Lamps	$272.724 \times 52 \times 0.000664$	9,416.62
Ashes Removed	$272.724 \times 52 \times 0.000181$	2,566.88
	$272.724 \times 52 \times 0.000732$	1,529,259.22
Operating Staff	$272.724 \times 52 \times 0.004232$	60,016.73
Depreciation 5%	$272.724 \times 52 \times 0.001833$	25,994.96
	$272.724 \times 52 \times 0.009797$	1,388,937.61
	Income from Light	
$(272.724 - 16,800) \times 52 \times 0.016$		212,928.74
13.28 percent Profits		73,991.16

Summary for One Year

Present Plant - on maximum safe capacity

Coal	$136,362 \times 52 \times 0.002211$	\$15,677.81
Oil	$136,362 \times 52 \times 0.000449$	3,183.78
Water	$136,362 \times 52 \times 0.000227$	1,609.62
Samples	$136,362 \times 52 \times 0.000664$	4,708.31
Alkes Removed	$136,362 \times 52 \times 0.000181$	1,283.44
	$136,362 \times 52 \times 0.002732$	\$ 26,462.96
Operating Staff	$136,362 \times 52 \times 0.000639$	39,985.16
Depreciation 5%	$136,362 \times 52 \times 0.002530$	17,939.78
	$136,362 \times 52 \times 0.011901$	\$ 34,387.90

Income from Lighter

$(136,362 - 11,424) \times 52 \times 0.016$	103,948.42
4.94 percent Profits	19,560.52

Mr. Edison,

The Directors of the Ill. Co. met to day. I need not say there was no quorum. We decided however to call in the last installment of ten per cent on the Ill. Co. stock. It is necessary to give ten days notice.

S. B. Eaton

November 23rd, 1882,

per H.C.G.

Form No. 10

OFFICE FIRST DISTRICT.

EDISON ELECTRIC ILLUMINATING CO. OF NEW YORK.
257 PEARL STREET.

Report for 24 hours ending at 12 Noon

December 7 1882

Average No. Lamps in use.	Customers	Breakages.
	1191	155
	Central Station 69	

Tons of Coal Received 19
Loads of Ashes Removed 4
Cubic feet of Water used 2950

OIL AND WASTE.

Sperm 12 1/2 Quarts.
Cylinder 4 1/2 "
Old Oil 4 "

WASTE { New Pounds.
Washed "

ENGINES RUNNING.

Number	FROM		TO		
	h.	m.	h.	m.	
1	12			6	P.M.
3	12			10 30	P.M.
3	10	30	A.M.	12	M.
4	8		A.M.	12	M.
5					M.
6	3	50	P.M.	12	M.

To CHARLES L. CLARKE, ESQ.,
Chief Engineer,
65 FIFTH AVENUE, New York City.

Jos Cashe
Supt.
Dec 8/82 R.H.C.

Mr. Edison,

Here are Mr. Casho's reports for December 5th, and
6th. Hereafter I will forward reports to you regularly every
day, as soon as I receive them myself. Please retain them for
you files and not return them.

S. B. Eaton

December 8th. 1882.

per Mc.G.

E.

[ENCLOSURE]

Form 206.

OFFICE FIRST DISTRICT.

EDISON ELECTRIC ILLUMINATING CO. OF NEW YORK.

RECEIVED. 6 DEC 1882 PEARL STREET.

ANSWERED.

Report for 24 hours ending at 12 Noon
December 5 1882

Average No. Lamps in use.	Customers	1072	Breakages.	212
	Central Station	62		19
Tons of Coal Received		8		
Loads of Ashes Removed		11		
Cubic feet of Water used		2133		

OIL AND WASTE.

Sperm 15 Quarts.
Cylinder 7 "
Old Oil 2 "

WASTE { New Pounds.
Washed "

ENGINES RUNNING.

Number	FROM		TO		
	h.	m.	h.	m.	
1	8		12	"	M
2	11		12	45	P. M
3	9	45	12	"	M
4	12		12	05	A. M
5					M
6	12		9	45	P. M

To CHARLES L. CLARKE, Esq.,
Chief Engineer,

65 FIFTH AVENUE, New York City.

Joseph P. Smith, Sup't

Dec 6 - 1882

[ENCLOSURE]

Form 5 OR

OFFICE FIRST DISTRICT.

EDISON ELECTRIC ILLUMINATING CO. OF NEW YORK.

RECEIVED. 6 DEC 1882
267 PEARL STREET.

ANSWERED.

Report for 24 hours ending at 12 Noon

December 6 1882

Average No. Lamps in use.	Customers		Breakages.
		1058	101
	Central Station	62	3

Tons of Coal Received 12
 Loads of Ashes Removed 14
 Cubic feet of Water used 2490

OIL AND WASTE.

Sperm 11 Quarts.
 Cylinder 7 1/2 "
 Old Oil 4 "
 WASTE { New Pounds.
 Washed "

ENGINES RUNNING.

Number	FROM			TO		
	h.	m.		h.	m.	
1	1	30	P.M.	12		M
2	12		M	1	30	P.M.
3	12		M	10	20	P.M.
4	3	10	P.M.	6	30	P.M.
5	8		A.M.	12		M
6			M			M

TO CHARLES L. CLARKE, ESQ.,

Chief Engineer.

65 FIFTH AVENUE, New York City.

John Cashe Sup't
C. L. Clarke Dec 7

Form 06.

OFFICE FIRST DISTRICT.
EDISON ELECTRIC ILLUMINATING CO. OF NEW YORK.
 257 PEARL STREET.

Report for 24 hours ending at 12 Noon

December 8 1882

Average No. Lamps in use.	Customers	Breakages.
	1165	86
	Central Station: 62	13

Tons of Coal Received 114

Loads of Ashes Removed 1

Cubic feet of Water used 2628

OIL AND WASTE.

Sperm 17 Quarts.

Cylinder 4 1/2 "

Old Oil 4 "

WASTE { New Pounds.
 Washed "

ENGINES RUNNING.

Number	FROM		TO		M
	h.	m.	h.	m.	
1					M
2	8	05	12		M
3	12		6	50	M
4	12		12		M
5					M
6	12		10	15	M

To CHARLES L. CLARKE, Esq.,
 Chief Engineer,
 65 Fifth Avenue, New York City.

Joe Caslo Sup't.

D. H. L. - Dec. 9/82

Form 06.

OFFICE, FIRST DISTRICT.

EDISON ELECTRIC ILLUMINATING CO. OF NEW YORK.
RECEIVED 12 DEC 1882 PEARL STREET.

ANSWERED.

Report for 24 hours ending at 12 Noon

December 12 1882

Average No. Lamps in use.	Customers		Breakages.
		1010		195
	Central Station	62	

Tons of Coal Received 14
 Loads of Ashes Removed 4
 Cubic feet of Water used 2400

OIL AND WASTE.

Sperm 1 5/2 Quarts.
 Cylinder 5 1/2 "
 Old Oil 2 "

WASTE { New Pounds.
 Washed "

ENGINES RUNNING.

Number	FROM		TO		
	h.	m.	h.	m.	
1					M
2					M
3	12		9	10	P M
4	12		12		M
5	1	10	6	30	M
6	8	15	12		M

To CHARLES L. CLARKE, ESQ.,

Chief Engineer.

65 FIFTH AVENUE, New York City.

Joe Gault Supt.
Dec. 13 1882

Mr. Edison,

The annual meeting of the Ill. Co. was held this day.
I prepared a report which was submitted. I will send you a copy
in due time.

The old Board was reelected except as follows; but-
ting and Miller were dropped and Mr. J. Hood Wright and Mr. Fabbris's
brother were put in their places.

S. B. Eaton

December 12th, 1882.

per Mc.C.

12/12/82

The Edison Electric Illuminating
Company of New York
65 Fifth Avenue

New York, Dec 12th 1887

Thomas A. Edison Esq
65 - 5th Ave

Dear Sir:—

I take pleasure in notifying
you that at the Annual Meeting
of the Stock Holders of this Co.
held this day you were unan-
imously elected a Director thereof.
The first meeting of the new Board
will be held to-morrow Wednesday
the 13th inst. at 3 o'clock P.M. at
the office of Mess. Trust, Morgan & Co
for the purpose of organization and
such other business as may come
before the meeting.

Very truly yours

C. Goddard
Secy.
Secretary

2027

These are formal notices which
we are sending to all delinquent
Stockholders—

Yours truly,
C. J.

[ENCLOSURE]

The Edison Electric Illuminating Company of New York.

65 FIFTH AVENUE.

J. A. Edison Esq.

NEW YORK, December 13 1882.

DEAR SIR:

The law under which this Company is organized requires the full payment of its Capital Stock within two years from the date of its organization: It is therefore necessary that all delinquent installments should be paid at once.

The following is the form of the subscription signed by all subscribers to the Capital Stock of the Company.

"I hereby subscribe for 66 shares of the Capital Stock of the Edison Electric Illuminating Company of New York, and agree to take the same and pay for them as follows, viz: \$5 per share herein enclosed; \$10 on the 15th of May; \$10 on the 1st of June; \$10 on the 1st of July; \$15 on the 1st of August, 1881; and the remaining \$50 per share, whenever the same may be called in, on ten days notice, but not earlier than \$25 on September 1st, and \$25 on October 1st, 1881.

"In case of any default on my part in making payments as above, I authorize the Company on one week's notice by mail to my address, to sell my subscription at public or private sale, without further notice to me, and to apply the proceeds thereof to the payment of any installments at that time due and payable on such subscription, with interest thereon, accounting to me for any surplus which may remain after such payments."

In accordance with the terms of the subscription, you are hereby notified that unless the unpaid installments on the stock standing in your name (a statement of which is hereto appended) are paid to the Company, on or before the expiration of one week from the date hereof, the stock is liable to be sold in accordance with the terms of the subscription.

By order

C. GODDARD,

SECRETARY.

66 Shares {	Installment 10 % Due	Oct 14/82	660.
	" 10 % "	Dec 7/82	660
	" — % "		\$
			<u>\$ 1,320.</u>

[ENCLOSURE]

The Edison Electric Illuminating Company of New York.

65 FIFTH AVENUE.

J. A. Edison Esq.

NEW YORK, December 19th 1882.

DEAR SIR:

The law under which this Company is organized requires the full payment of its Capital Stock within two years from the date of its organization: It is therefore necessary that all delinquent installments should be paid at once.

The following is the form of the subscription signed by all subscribers to the Capital Stock of the Company.

"I hereby subscribe for 750 shares of the Capital Stock of the Edison Electric Illuminating Company of New York, and agree to take the same and pay for them as follows, viz: \$5 per share herein enclosed; \$10 on the 15th of May; \$10 on the 1st of June; \$10 on the 1st of July; \$15 on the 1st of August, 1881; and the remaining \$50 per share, whenever the same may be called in, on ten days notice, but not earlier than \$25 on September 1st, and \$25 on October 1st, 1881.

"In case of any default on my part in making payments as above, I authorize the Company on one weeks notice by mail to my address, to sell my subscription at public or private sale, without further notice to me, and to apply the proceeds thereof to the payment of any installments at that time due and payable on such subscription, with interest thereon, accounting to me for any surplus which may remain after such payments."

In accordance with the terms of the subscription, you are hereby notified that unless the unpaid installments on the stock standing in your name (a statement of which is hereto appended) are paid to the Company, on or before the expiration of one week from the date hereof, the stock is liable to be sold in accordance with the terms of the subscription.

By order

C. GODDARD,

SECRETARY.

<u>750</u> Shares {	Installment 10% Due Dec 27/81	\$ 7,500.
	" 10% " Oct 25/82	\$ 7,500.
	" 10% " Oct 4/82	\$ 7,500.
	" 10% " Dec 4/82	\$ 7,500.
		<u>\$ 31,200.</u>

Mr. Edison,

Please attend a conference at my office to-morrow at
10 A.M. relative to perfecting the details of the First District.

December 15th. 1882.

S. B. Eaton,

per Mc.G.

Mr. Edison,

This report is for your files.

S. B. Eaton

Dec. 15th. 1882.

per Mc.G.

[ENCLOSURE]

Form 66.

OFFICE FIRST DISTRICT.

EDISON ELECTRIC ILLUMINATING CO. OF NEW YORK.

RECEIVED. 13 DEC 1882 PEARL STREET.

ANSWERED.

Report for 24 hours ending at 12 Noon

December 13 1882

Average No. Lamps in use.	Customers	1064	Breakages.	105
	Central Station:	62		
	Tons of Coal Received	8		
	Leads of Ashes Removed	4		
	Cubic feet of Water used	2249		

OIL AND WASTE.

Sperm	15	Quarts.
Cylinder	5	"
Oil Oil	5	"
WASTE	New	Pounds.
	Washed	"

ENGINES RUNNING.

Number	FROM			TO		
	h.	m.		h.	m.	
1	9	40	P. M.	9	50	P. M.
2	11	20	P. M.	12	40	P. M.
3	9	50	M.	8	50	P. M.
4	12		M.	9	20	P. M.
5	7	45	A. M.	12		M.
6	10	20	A. M.	12		M.

TO CHARLES L. CLARKE, ESQ.,
Chief Engineer,
65 FIFTH AVENUE, New York City.

Jos. Pashley Supt.
C. L. Clarke
Dec 14/82

Mr. Edison,

We must be thinking about getting an executive officer to devote himself exclusively to the Business of the Ill. This subject I have mentioned to you before and you have expressed your approval of it.

For such a position, or for any other important position in either the Isolated or the Light Co., Mr. Lowrey recommends Mr. Van Horn, of the Western Union, and sends me the following note about him.

"Dr. Green tells me that Superintendent Van Horn of the Western Union Co. is discontented and he thinks could be got by us. Van Horn is the best man in the Western Union service. He knows the whole country and every man in it. Has come up in the Telegraph business from the bottom to the top by his own merit. Is an excellent draughtsman of a contract and negotiator, and an excellent correspondent. He gets \$7500. with the Western Union now. He would do for either the Isolated or Parent Co's service. Is a man about 55 or 60; apparently very quiet and slow, but I believe very effective in an executive way!

I do not know Mr. Van Horn except by reputation. What do you think of him?

S. B. Eaton,

December 16th. 1882.

per Mc.G.

P.O. Box 2072

29
Fred. Postel & Co.
Broad St.
New York Dec 20th 1882

Thomas A. Edison Esq. Pres.
Edison Electric Light Co.
65 Fifth Ave.
City

Dear Sir,

About 5 weeks ago I obtained through your courtesy a permit for Mr. Tom Hillmann of Tacona Ohio, to visit your establishment on Pearl Street near Fulton. Mr. Hillmann, being a business friend of my firm I accompanied him on his inspections of the above named place.

Such to my surprise my watch, which is a very expensive (\$500 Jurgensen) one, suffered severely, every particle of steel

in the works becoming magnetized, as my watchmaker explains to me, necessitating very expensive repairs, and it is not unlikely that my watchmaker will not be able at all to repair the watch, as he is experimenting now for almost four weeks to drive out the magnetic force.

All this trouble might have been prevented if a notice had been posted at your Pearl Street establishment, warning people not to visit the place with their watches or if some of the workmen had instructions to call the attention of visitors to the danger, to which their watches are subjected.

I hope you will excuse the liberty I take in calling your attention to this matter.

Very respectfully

F. Postel
in firm Fred. Postel & Co.

Mr. Edison,

*Ed. Light - Central Station
Pearl Street 1878*

Mr Tracy has made his first report giving the result of his personal call upon subscribers in the First District. He told them that they would have to pay for their light on and after date. He finds almost unanimous satisfaction with the light and thinks that all the subscribers will become customers. On the whole his report of his experience thus far is very encouraging.

S. B. Eaton

Dec. 21st. 1878.

per H.C.G.

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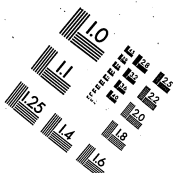
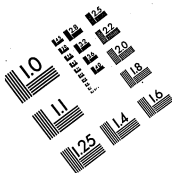
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Centimeter



Inches

